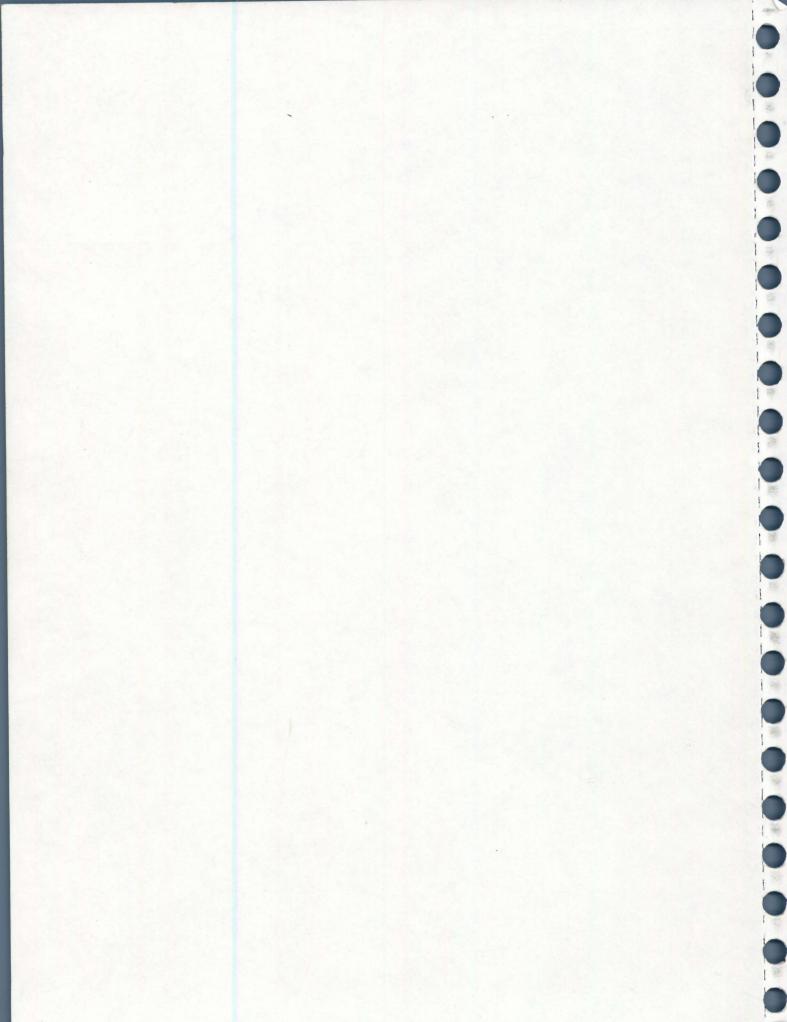
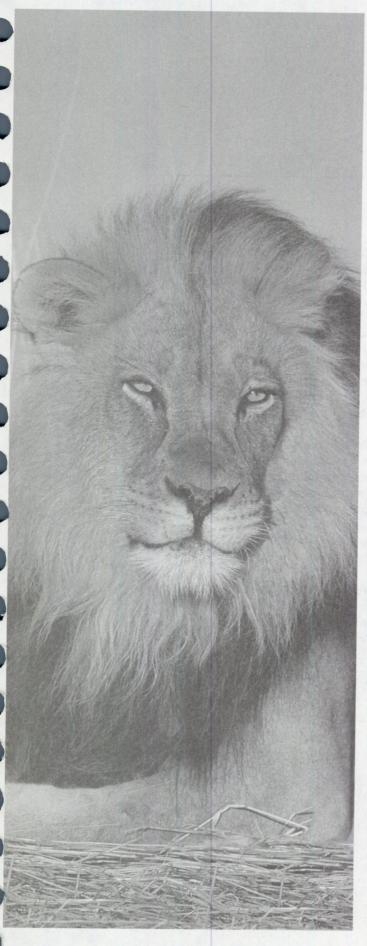




MISSOURI SOUTHERN STATE COLLEGE

CATALOG 2002-2004







2002-2004 Catalog

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This catalog is for information purposes and does not constitute a contract. Information on courses, fees, requirements and policies are subject to change.

From the President

he ideal public college fulfills its mission by educating citizens of all ages and socioeconomic backgrounds. Missouri Southern State College is proud of the role it plays in the intellectual and personal growth of its diverse student body.



You will discover here one of the finest values in higher education anywhere, with quality academic programs, small classes, excellent and accessible professors, and reasonable cost.

Our curriculum combines a liberal arts foundation with a professional orientation and a strong commitment to the international aspects of education in order to prepare you for lifelong learning and a successful career in a rapidly changing and competitive world.

We invite you to come to our beautiful campus and visit with our faculty and staff so that you can experience true "Southern" hospitality and learn for yourself how Missouri Southern can prepare you for the 21st Century.

Julio S. Leon, President

Salio S. León

Dear Student,

If you're entering college for the first time, or even coming back after several years' absence, there is information in this catalog you'll need. It's not the most exciting bedtime reading, but it does pack a lot of information about our academic programs throughout your college experience.

This catalog and our helpful staff also can answer your more immediate questions:

1. Can I get some financial help with college costs?

Yes, a full range of financial aid programs are available to qualified students. Mr. Jim Gilbert and his staff can provide you with information and applications in Hearnes Hall 114, 417.625.9325. (Financial Aid, page 45)

2. I haven't decided on a major yet. What do I do?

Southern has trained counselors to help you discover what your best interests and attributes might be. Visit with Kelly Wilson, Hearnes Hall 115, 417.625.9324. (Student Support Center, page 20)

3. I'm concerned about the transition from high school to college. Is there someone to help?

The Student Support Center can help here too, as well as your College Orientation class. See Holley Goodnight, Hearnes Hall 115, 417.625.9324. (Orientation, page 21)

4. Do you have an Honors Program?

Southern has an excellent and challenging Honors Program which includes a summer study option at Oxford University in England. Talk to Dr. Patricia Kluthe, Webster Hall 118, 417.625.9686. (Honors Program, page 40)

5. What activities and organizations are available?

A host of special events, student activities and departmental organizations are available throughout the year. Drop by the Student Activities office, Billingsly Student Center 102, 417.625.9320. (Student Activities, page 22. See also individual departments.)



Our Mission

issouri Southern State College is a state-supported, comprehensive college offering programs leading to the bachelor's degree. Faithful to its original statutory charter, the College also offers continuing education courses and a number of two-year programs in technical and vocational areas for the benefit of the community.

The College's primary emphasis is the offering of a baccalaureate program that fosters the total education of each student. Central to that mission is a strong commitment to international education, to the liberal arts, to professional and preprofessional programs, and to the complementary relationship that must exist between liberal and professional education in order to prepare individuals for success in careers and lifelong learning.

Inherent in its international approach to undergraduate education is the College's desire to prepare its students to understand world affairs, international issues and other cultures as seen through their history, geography, language, literature, philosophy, economics and politics. Knowledge and understanding of other cultures of the world also promote better understanding of our own valuable cultural diversity.

Missouri Southern's commitment to the liberal arts is reflected in a comprehensive program of general education requirements for all students to ensure that they have a breadth of educational experiences which will enable them to develop communication and critical thinking skills and to acquire and apply aesthetic, contemporary, civic, international, historical, mathematical, scientific and value-oriented perspectives.

The faculty and staff of Missouri Southern State College emphasize quality teaching and learning as the most important attributes of the College, complemented by scholarly and creative expression and dedicated community service. Community service involves responsiveness to the Southwest Missouri region as well as serving as the intellectual, creative and cultural center of the area.

In order to remain loyal to the trust given to the College by the people of the State of Missouri, Missouri Southern State College will:

- fulfill its mission and objectives in an honorable and ethical manner;
- periodically review its mission in light of contemporary changes in society and in the needs of the people of Missouri;
- continually assess the effectiveness of its programs in order to ensure their quality and integrity.

International Education

n June 15, 1990 the Board of Regents of Missouri Southern State College approved a recommendation to pursue an international approach to undergraduate education.

The move to an international approach to our educational mission was prompted by a realization that the truly successful citizens of the 21st century will need much greater knowledge and awareness of the people, languages and cultures of other countries of the world if true communication among the world's citizens is to take place. Dramatic changes in the economic and political systems of Russia and Eastern European countries as well as challenges by Asian and European countries to American economic leadership made self-evident in the 1990s the need for a new kind of college education, one with a strong global perspective.

In July of 1995, Governor Mel Carnahan signed into law House Bill No. 442 in which Section 1 reads as follows: "The Missouri Southern State College located in Joplin, Jasper County, is hereby designated a moderately selective institution which shall provide programs which meet the needs of the citizens, businesses, and industries of its service area as defined in section 174.010, RSMo, as well as counties contiguous to Jasper County. The institution shall develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission."

Thus, with a stroke of a pen, the Governor of Missouri provided MSSC and its students a distinctive status among colleges and universities in Missouri. With it came the official state funding support for new, exciting initiatives that have enabled Missouri Southern State College to institute for its students daringly new international programs and activities to prepare them well for the challenges of this new century.

Missouri Southern State College has phased in different programs and activities designed to internationalize the college. Among these are:

- Infusing the entire college curriculum with a global perspective.
- Expanding the teaching of foreign languages to include new majors, new approaches, and new opportunities for language usage.
- Increasing opportunities for Missouri Southern students to study abroad for varying periods of time.
- Staging conferences and lectures on world affairs, and cultural and artistic programs with international performers as well as emphasizing one particular country or continent each year.
- Creation of dynamic majors in international studies and international business with uniquely designed courses.
- Increasing the participation of international students in campus activities.

Missouri Southern is beginning to receive national attention for its efforts in internationalizing the campus. The American Council on Education selected the College and seven other institutions from a pool of 57 applicants in October 2000 to participate in an 18-month project to document their internationalization strategies and design a self-assessment instrument that other institutions can use to document and expand their international capacity. Missouri Southern also was one of only four U.S. colleges or universities to receive a Certificate of Excellence for the 2001 Theodore M. Hesburgh Award for Faculty Development to Enhance Undergraduate Teaching and Learning. Missouri Southern's entry, entitled "Bringing the World to the Midwest," highlighted the College's international mission.

A Student's Guide to the Baccalaureate Degree

Non Scholae Sed Vitae Discimus "Education not for a living, but for life."

We the faculty at Missouri Southern believe that you achieve a complete education through an interrelated program of study which includes the **Core Curriculum** and your **major**, as well as the extra-curricular opportunities that complete the total collegiate experience. We realize that over a lifetime many of you will change occupations and careers several times. While specialized knowledge in your field is essential, we believe that certain lifelong thinking and learning skills and a common body of knowledge are critical for an understanding of yourself and your larger community and for career advancement in the 21st-century market-place. Specifically, we are committed to assist you as an undergraduate to:

- Acquire knowledge, both in breadth and depth, through exposure to a wide variety of disciplines and through majoring in your chosen field.
- Communicate with precision and style and to think clearly and critically.
- · Achieve competence in quantitative skills.
- Know the methods of inquiry and thought necessary for understanding nature, society and self.
- Sharpen your awareness and appreciation of other cultures with their differing values, traditions and institutions.
- · Develop lasting intellectual and cultural interests.
- Learn more about yourself and demonstrate mature decision-making skills.
- Achieve greater social maturity and tolerance for human diversity through the experience of working closely with a wide variety of fellow students and faculty members.

Core Curriculum

The Core Curriculum at Missouri Southern is a carefully designed series of courses that all students earning a bachelor's degree must complete. It is our effort to furnish you a liberal education. But why? What about the Core is so important that it constitutes nearly half of the credit hours necessary for your degree?

One way to answer that question is to reflect on another: What does it mean to be well-educated? While the question has generated much debate and there is no simple answer, most agree that a well-educated person possesses certain fundamental intellectual skills, a broad knowledge of the world, and a deep knowledge of a particular subject. While pursuit of a major field of study furnishes knowledge in depth, it is the Core Curriculum that seeks to arm you with the intellectual skills and the breadth of knowledge that characterize well-educated individuals.

Goals of the Core Curriculum

The College accepts four intellectual skills as essential for well-educated people:

Communicating: Well-educated people develop effective use of the English language and quantitative and other symbolic systems essential to their success in school and in the world. Students should be able to read and listen critically and to write and speak with thoughtfulness, clarity, coherence, and persuasiveness.

Higher-Order Thinking: Well-educated people develop the ability to distinguish among opinions, facts, and inferences; to identify underlying or implicit assumptions; to make informed judgments; and to solve problems by applying evaluative standards.

Valuing: Well-educated people develop abilities to understand the moral and ethical values of a diverse society and to understand that many courses of action are guided by value judgments about the way things ought to be. Students should be able to make informed decisions through identifying personal values and the values of others and through understanding how such values develop. They should be able to analyze the ethical implications of choices made on the basis of these values.

Managing Information: Well-educated people develop abilities to locate, organize, store, retrieve, evaluate, synthesize, and annotate information from print, electronic, and other sources in preparation for solving problems and making informed decisions

The College accepts seven broad areas of knowledge as necessary for well-educated people to understand and function effectively in today's complex and changing world.

Social and Behavioral Sciences: Well-educated people develop an understanding of themselves and the world around them through study of content and the processes used by historians and social and behavioral scientists to discover, describe, explain, and predict human behavior and social systems. Students must understand the diversities and complexities of the cultural and social world, past and present, and come to an informed sense of self and others.

Humanities and Fine Arts: Well-educated people develop an understanding of the ways in which humans have addressed their condition through imaginative work in the humanities and fine arts. They deepen their understanding of how that imaginative process is informed and limited by social, cultural, linguistic, and historical circumstances; and to appreciate the world of the creative imagination as a form of knowledge.

Mathematics: Well-educated people develop an understanding of fundamental mathematical concepts and their applications. Students should develop a level of quantitative literacy that would enable them to make decisions and solve problems and which could serve as a basis for continued learning.

Life and Physical Sciences: Well-educated people develop an understanding of the principles and laboratory procedures of life and physical sciences and cultivate their abilities to apply the empirical methods of scientific inquiry. Students should understand how scientific discovery changes theoretical views of the world, informs our imaginations, and shapes human history. Students should also understand that science is shaped by historical and social contexts.

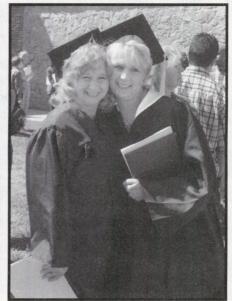
International Cultural Studies: Well-educated people develop an understanding of how cultures and societies around the world are formed, sustained, and evolve. Students should understand world affairs, international issues, and cultures other than their own as seen through the history, geography, language, literature, philosophy, economics, or politics of the cultures. Students will acquire empathy for the values and perspectives of cultures other than their own and an awareness of the international and multicultural influences in their own lives.

Health and Wellness: Well-educated people develop the knowledge and self-management skills that will assist them in adopting healthy lifestyles. This encompasses all areas of wellness: physical, emotional, spiritual, social and intellectual. Students will understand the relationship between lifestyle management, quality of life, and societal health and productivity.

Economics: Well-educated people develop an understanding of themselves and the world around them through study of the fundamental interaction between wants and resources in shaping human experience. Students must understand how the science of economics can be used to discover, explain, and predict human behavior and social systems both past and present.

These eleven goals have shaped the faculty's design of your Core Curriculum. The Core Curriculum is more than an array of courses from which students choose. The word <u>core</u> is derived from a root that means heart. We believe that your experience in our Core Curriculum is the heart of an excellent education. It also provides the foundation for your study of your major.

Three major strands are woven through the college's curriculum in both the Core and the major: writing, computer literacy, and international education. First, because writing is among the most crucial skills, Southern ensures that writing permeates the total course of study, starting in freshman composition courses and continuing through



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writing intensive courses in each major. Second, no one unfamiliar with computers will be prepared to face the 21st Century, so Southern has devised a computer literacy program to enable all its graduates to use these powerful tools. And third, as detailed elsewhere in this catalog, Southern has a special emphasis in international education. An awareness of other peoples, languages and cultures is becoming increasingly necessary. In every possible course, the curriculum includes a global perspective.

Your Major

The College offers more than 100 majors in a wide variety of fields. Your pursuit of your major will furnish you with the knowledge in depth that is also characteristic of a well-educated person. Some students come to Southern with a clearly defined idea of their major; others come uncertain, relying on their exposure to the Core Curriculum and on experimenting with a few elective courses to help them choose.

In either case, when you emerge with your baccalaureate degree, you will have mastered a body of knowledge that sets you apart from well-educated people in other fields. Often it is your mastery of a particular discipline that makes you of great value in the workplace. Not only do you emerge knowing a great deal, but you also emerge armed with the power to learn more, to extend your knowledge.

Special Features of Missouri Southern

A comprehensive education fostering life-long learning is the aim of our liberal arts curriculum. Southern strives to present the best in higher learning. The following features distinguish our college.

Emphasis on Teaching: The heart of Missouri Southern is that of an undergraduate college where the interaction between teacher and student is of primary importance in the learning experience. Here you will be taught by professors with degrees from the most prestigious universities across the nation.

International Mission: The world is changing rapidly and dramatically. The future will belong to those who have an understanding and appreciation for the world beyond the boundaries of our country. That is why Missouri Southern has chosen to emphasize a global perspective throughout our entire curriculum and wherever possible to add an international dimension to our courses.

Assessment of Outcomes: Missouri Southern continually assesses the effectiveness of its programs, including the Core Curriculum and all the majors. The assessment information helps us revise and improve our programs. In this way, we ensure our curriculum is dynamic and up-to-date.

Enrichment Programs: Your opportunity for total education is enriched through a variety of special programs including the Honors Program, internships and independent study opportunities, and "themed" semesters that focus on a country, continent, or section of the world. Study abroad opportunities include Oxford University and Cambridge University in England, the Summer in Sweden art program, language immersion programs in France, Germany, Mexico, and Spain, and semester-long exchange programs around the world.

Total Collegiate Experience: A great deal of college education happens outside the classroom. An array of extracurricular activities is offered to meet almost every academic and social interest. In addition, a variety of services are available for the student to meet educational and personal needs.

Diverse Student Body: Students at Southern represent a wide variety of ages and places of origin. The sizable enrollment of nontraditional students (those over 25) and international students is a great advantage. On our campus, students come to see each other as friends and allies and learn to develop healthy and supportive relationships with a variety of people.

Flexible Class Scheduling: The Division of Lifelong Learning provides a variety of forms of access to education to meet the needs of today's students. Access to educational opportunities is provided through televised, Internet, cd/video tape correspondence and weekend hybrid classes.

More complete information on each of these features is found in the catalog. And of course, our faculty and staff are always willing to help you to make the most of your college experience. Don't hesitate to ask. We're here for you!

Assessment of Outcomes

Goals of Assessment of Outcomes

Assessment is an ongoing, cyclical effort of identifying goals, developing programs to achieve those goals, evaluating the effectiveness of the programs, analyzing results, redefining goals and improving programs. That cycle is a basic responsibility of all faculty and administrators. Stated goals of outcomes assessment at Missouri Southern are:

- 1. Evaluation of institutional effectiveness by research and assessment of:
 - a. Core Curriculum programs and school departments
 - b. Academic and developmental student outcomes
- Improvement of both academic and student affairs programs:
 - a. To increase student academic and developmental outcomes
 - b. To increase student retention and degree completion
- 3. Provision of data needed for long-range planning to fulfill the college mission
- 4. Fulfillment of governmental mandates

In its mission, Missouri Southern is committed to developing effective programs to fulfill the needs of the students while developing knowledge, skills and positive attitudes. In order to accomplish that goal, ongoing assessment is conducted not only by professors in the classes offered each semester, but also by faculty and administration in annual program reviews. The Center for Assessment and Institutional Research assists faculty and administration in gathering data for those reviews. In addition, a Faculty Assessment Advisory Committee meets regularly with the administration to study current assessment methods and make recommendations for improvement of the College's assessment program.

Program for Assessment of Outcomes

Importance of assessment for college accountability is underscored by a **Board of Regents policy that requires that students participate in assessment activities when requested.** Information obtained from standardized tests, faculty developed tests, surveys, student research, portfolio review, student interviews and performances is used to develop both quantitative and qualitative data needed for the analysis phase of our assessment plan. Three identified areas of student outcomes are assessed each year: Core Curriculum, departmental majors and student development. In addition, follow-up studies of alumni and their employers are conducted periodically.

Core Curriculum: Data for study is gathered each year by administering a standardized test and needed surveys to incoming freshmen and exiting seniors. The AP (Academic

Profile) from the Educational Testing Service is a standardized test used to measure the impact of a Core Curriculum on students as they progress through a degree program. Students are called upon to analyze, synthesize, apply and evaluate information, rather than just to recall or recognize content.

Departmental Majors: The faculty and administration of each department are responsible for evaluating the effectiveness of their programs. All departments have developed outcomes assessment programs for graduating seniors. Information gathered from quantitative and qualitative assessment is used by the department to review programs. A variety of assessment methods are used by the various departments.

Departments that offer degrees leading to state or national certifications use the required standardized tests for entrance and certification as their quantitative measures. These departments include computer information science, dental hygiene, education, medical technology, radiologic technology, respiratory therapy and nursing. Departments that use standardized major field tests offered by the National Testing Services or by their particular professional organization include biology, business administration, chemistry, criminal justice administration, English, environmental health, history, management technology, mathematics, physics, sociology, music, and psychology.

In major areas where standardized tests are currently unavailable, departmentally developed assessment plans have been implemented. The plans utilize one or more of the following methods: faculty developed exams, portfolio review, student interviews, external examiners, capstone projects and simulations, among others. The art, communications, political science, Spanish and theatre departments have developed such plans.

Student Development: The impact of a college is not limited to the classroom. While Core Curriculum and departmental major assessment is focused on knowledge and skill outcomes, student development assessment focuses on social and personal growth of students both inside and outside of the classroom. Surveys and opinionnaires are the primary methods of gathering data to assess student development. Data are collected from entering and graduating students each year to assess current attitudes and opinions as well as trends in that information. Missouri Southern State College participates in three rotating statewide surveys that give us comparative data from currently enrolled students, alumni and employers of our graduates. Retention and graduation rate studies also give important information on the flow of students through our system of higher education.

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Results of Assessment of Outcomes Core Curriculum

As our Assessment program matures, we have an ongoing commitment to use the data collected from tests, surveys, etc. to analyze trends and link results to the planning process. Teams of students, faculty, administrators and staff have studied the data. Assurance of the quality and effectiveness of our Core Curriculum has been the result.

For example, the Core Curriculum study resulted in a consensus that what we teach in our Core fits our mission, but how we teach the Core and major courses and how students learn should be the focus. For that reason several initiatives on campus are studying new approaches to involve students more effectively in the learning process. Other issues include analysis of a faculty member's teaching, modeling and requiring critical thinking in the classroom and requiring more extensive communication skills as students complete coursework.

Means and Percentile Scores of 2001 Missouri Southern State College Seniors on the Academic Profile Test Compared to National Norms

The table at right displays mean scores for the sample of Missouri Southern students who took the Academic Profile in Spring 2001. Southern students scored above the national average in all seven areas of the Academic Profile test.

Academic Profile Results

		MS	SC	NATIONAL		
	Areas of Study	Mean	%-tile	Mean	%-tile	
	Humanities	118	77	116	38	
	Social Sciences	117	80	115	38	
	Natural Sciences	119	65	118	50	
	Reading	122	75	120	43	
	Writing	118	68	117	50	
	Critical Thinking	114	75	112	32	
	Math	116	57	115	37	

Average Scores of Missouri Southern State College Seniors on the 1997-2001 Student Opinion Surveys

Results of confidential student opinion surveys, administered to graduating seniors during Assessment Days 1997-2001, show that students perceive their treatment and experiences at Missouri Southern to be fair and their education to be of high quality. Their survey results are displayed in the table below along with ACT national reference norms for 2001. The students were asked to use the following nomenclature:

5 = Very Satisfied, 4 = Satisfied, 3 = Neutral, 2 = Dissatisfied, 1 = Very Dissatisfied

Our yearly ratings for most categories tend to be stable, or trending upward, and the five-year averages are at or above the national norms for every question in the table.

MSSC Student Opinion Survey Averages / National Norms									
Category	1997	1998	1999	2000	2001	5-Yr. Ave.	2001 Norms		
Class size relative to type of course	4.52	4.58	4.53	4.52	4.41	4.51	4.15		
Attitude of faculty toward students	4.48	4.47	4.37	4.23	4.14	4.34	4.01		
Instruction in major field	4.35	4.42	4.35	4.14	4.17	4.29	3.95		
Availability of adviser	4.27	4.45	4.26	4.26	4.19	4.29	3.84		
Out-of-class availability of instructors	4.19	4.40	4.32	4.22	4.18	4.26	3.95		
Course content in major field	4.21	4.37	4.21	4.07	4.06	4.18	3.91		
General condition of buildings and grounds	4.22	4.14	4.13	4.10	3.94	4.11	3.68		
Student health services	4.04	4.08	4.07	4.11	4.06	4.07	3.70		
Value of information provided by adviser	4.13	4.12	4.07	4.01	3.96	4.06	3.77		
Career planning services	4.05	4.03	4.28	4.06	3.85	4.05	3.78		
Veterans services	3.33	4.00	3.96	4.54	4.40	4.05	3.89		
Cultural programs	3.78	4.10	4.06	4.19	4.08	4.04	3.80		
Honors program	3.63	4.00	4.22	4.04	4.24	4.03	3.90		
Catalog/admissions publications	4.06	4.00	4.05	4.06	3.92	4.02	3.87		
Preparation for future occupation	4.10	4.18	4.01	3.91	3.83	4.01	3.74		
Student employment services	3.95	3.73	4.24	4.11	3.94	3.99	3.90		
Testing/grading system	4.03	4.00	4.01	3.99	3.91	3.99	3.83		
Classroom facilities	4.08	3.98	3.92	3.95	3.76	3.94	3.76		
College-sponsored tutorial services	3.73	3.86	4.18	4.04	3.73	3.91	3.86		
Job placement services	4.13	3.79	4.09	3.86	3.62	3.90	3.60		
Personal counseling services	3.57	3.71	4.03	4.00	4.03	3.87	3.87		
Accuracy of information received before enrolling	3.87	3.76	3.91	3.90	3.72	3.83	3.72		
College-sponsored social activities	3.76	3.82	3.88	3.87	3.78	3.82	3.75		
Racial harmony at this college	3.85	3.64	3.59	3.96	3.84	3.78	3.69		
Opportunities for involvement in campus activities		3.86	3.63	3.67	3.67	3.71	3.71		
Concern for you as an individual	3.86	3.77	3.35	3.85	3.69	3.70	3.53		

Fee Policies

Schedule of Fees

)	Tuition and Incidental Fees For 2002-2003 Tuition (per credit hour)
	Missouri residents \$124.00 Non-residents \$248.00 Textbook Rental Fee (per credit hour) \$5.00
	Equipment Use Fee - full time students
	Student Activity Fee - full time students \$25.00 part time students \$15.00
	Parking Fee
	Other College Fees
	Application for Admission (non-refundable) \$15.00
	Change of Class Schedule (add/drop fee) \$5.00
	Late Registration
	Student ID (first time students)
	Late Rental Book Fee (per text) \$5.00
	Distance Learning Fee (per credit hour) \$25.00
	Special Course Fees
	Applied Music (per credit hour) \$80.00
	Art Materials (varies with course)
	First-Year Students
	Second-Year Students \$1,250.00
	Education Course Materials \$2.00 - 8.00
	(varies with course)
	EMT-Paramedic (Fall semester only) \$725.00 Freshman Orientation \$30.00
	Manufacturing Technology
3	Music Recital (senior music majors only) \$50.00
	Music Techniques
	Nursing
	Photography
	Police Academy
	Radiologic Technology (first term) \$100.00
	(all other terms)
	Science Laboratory Breakage and Materials cost
	Science Courses with Labs
	Residence Hall Fees
	Residence Hall Cost (per semester)* \$2000.00
	Apartments (per semester)* \$2200.00
	East Hall (per semester)*
	Private (per semester)*
	Refundable Security Deposit \$150.00 *Payable in five (5) payments
	Other incidental fees for supplemental class materials, testing or
	other source related easts may be assessed as required

The College reserves the right to change fees without notice.

other course-related costs may be assessed as required.

Payment of Fees

1. Tuition and Incidental Fees

For all students who have pre-registered for fall, spring, or summer semesters, at least 50% of the semester charges must be paid by the published deadline for each respective semester. Failure to remit the first 50% installment according to these payment terms will result in an immediate drop from all pre-registered classes before regular registration. Students enrolled in intersession classes must have their fees paid in full prior to the first day of class.

For students who enroll during regular registration, payment of 100% of the fees charged will be due and payable on the day of registration. Failure to remit the balance due will result in an immediate drop from the students' class schedule.

Statements of account will be mailed to all pre-registered students prior to the initial payment deadline. Subsequent statements will be mailed monthly.

It is extremely important to realize that a financial obligation is incurred at the time of enrollment. Services are rendered as of the first day of class so unless a student officially withdraws prior to that day, fees will be assessed in full. No reduction in charges according to the College refund policy will be credited to the students account until an official withdrawal is completed. Failure to pay fees in accordance with the stated payment plan will not necessarily relieve the financial obligation incurred if the student is dropped for non-payment.

Students expecting their fees to be paid through financial aid sources must have all necessary documentation filed with the Financial Aid Office by July 1st for the Fall term, and by December 1st for the Spring term in order to receive consideration for payment deferment.

Students enrolled in evening, weekend, internet, and televised classes for regular college credit courses, applicable toward an associate or baccalaureate degree, are subject to the same fees, rules and regulations as set forth for students attending day classes. Special fees for classes not applicable toward a degree program will be announced in the Evening Session Bulletin.

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Appeals concerning special problems pertaining to fees should be directed in writing to the Treasurer in Hearnes Hall, Room 210.

2. Residence Hall

Students will not be permitted to move into the Residence Halls without remitting payment of at least 50% of tuition and 40% of Residence Hall fees.

As stated in the contract agreement, students will be responsible for the full semester fee, except as specified in the contract, once they have checked into the Residence Halls even upon complete withdrawal from school. The security deposit will be refunded only if the terms of the contract have been fulfilled.

Explanation of Fees

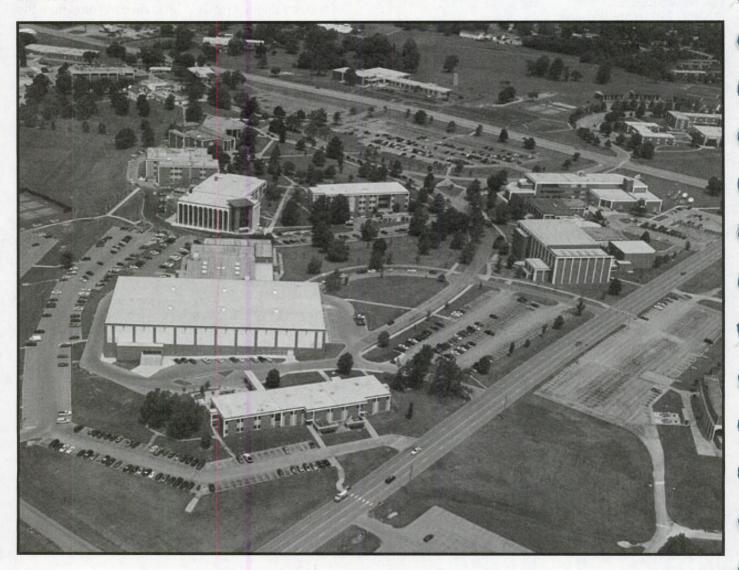
Admission Application Fee - a non-refundable administrative fee required upon submission of an application for admission.

Change of Class Schedule Fee - an administrative fee charged for each class change (add or withdrawal) made after the first week of the semester.

Distance Learning Fee - a fee charged to off-set costs unique to the distance learning environment including: development of specialized Internet courses, fees to broadcasters for carrying televised courses, transmitter and tower costs for televised courses, host servers for Internet courses, and video and internet materials developed by independent producers.

Equipment Fee - an incidental fee assessed each semester, which enables the College to provide the most technologically current equipment for use in the classroom and laboratories. All fees collected will be used solely for the purchase of equipment, which will directly benefit the students in their college course work.

Late Registration Fee - an administrative fee assessed to students who enroll for classes after the first full week of the semester.



Fee Policies / 13

Parking Fee - an incidental fee assessed each semester to cover all costs associated with vehicle registration, roadway & sidewalk maintenance and campus security.

Records Fee - an incidental fee assessed to all students each semester to cover an unlimited number of transcripts, cap and gown and diplomas. This replaces the old transcript and commencement fees.

Special Course Fees - fees are charged for additional course materials and/or services for specific courses. Courses include but are not limited to art, music, education, dental hygiene, nursing, radiology and photography.

Student Activity Fee - an incidental fee assessed each semester to support various aspects of campus life including student activities, student government, student publications and other events and services provided by the College.

Student I.D. Card - a one-time fee assessed to all new students allowing the issuance of a photo identification card. This card is required not only for identification purposes but also must be presented in order to check out library materials, to be admitted to campus activities, to obtain meals under the Residence Hall meal plan or to conduct business in various campus offices such as Financial Aid, Cashiers Office, Ticket Office, etc.

Textbook Rental Fee - a per credit hour fee assessed for the use of rental textbooks. The College operates a rental system through the College Bookstore which allows the use of the required textbook by the student for one semester. Before rental books may be issued, the student is required to have paid at least 50% of the total fees due for the semester. It should be noted that some classes may require the purchase of supplemental books and materials not available through the rental system. These materials may be billed to students accounts. Textbooks must be returned no later than 12:00 noon, Monday following the week of finals. A book drop box will be available inside Billingsly Student Center on the second floor entrance for weekend drop-off. Textbooks not returned by this time will be charged to the student accounts. Rental texts returned after this time will be assessed a late fee per book for a limited time.

Refund Policy

(Except for Residence Hall Charges)

During the course of any semester, if a student finds it necessary to drop individual classes or fully withdraw from college, the fee refund policy is as follows:

For Fall and Spring Semesters

Prior to the end of the first week of classes 100% ref	und
Second through fifth weeks 60% ref	und
After the fifth week 0% ref	und

For Summer Semester

Prior to the end of the first week of classes	100% refund
Second and third weeks	60% refund
After third week	0% refund

For Intersession

No refund of fees after first day of intersession classes.

Withdrawal from classes during the refund period means that the student will be responsible for 40% of the cost of tuition.

To be eligible for a refund, the student must formally complete a drop form and submit it to the Registrar's Office within the refund period. If the student is withdrawing from college completely, he or she must complete a withdrawal form with the College Exit Counselor within the published deadline dates. Failure to attend classes will not constitute a withdrawal.

If the student withdraws after payment of any or all fees for the semester, any monies due to the student will be mailed after fee refunds have been applied. However, if the college costs have been paid partially or fully by financial aid (scholarships, grants, loans, other government assistance programs, etc.) the refund monies will be first applied to the financial aid program source. Please see the repayment notice of Title IV aid paragraph below for further explanation. Once these awards have been fully refunded, any remaining balances will be forwarded to the student.

All refunds must be claimed during the term for which the refund applies. Students who feel that individual circumstances warrant exceptions to this policy may appeal in writing to the Treasurer. This appeal must be made during the term for which the refund applies.

REPAYMENT NOTICE FOR FEDERAL FINANCIAL AID

Students who withdraw on or before the 60% point of the semester will be subject to repayment of part or all of their aid as determined by Federal Regulations.

- Students will be notified in writing of any amount due.
 A hold will be placed on the student's account until repayment is made in full.
- Students must make repayment of their portion of financial aid within 45 days. Failure to make repayment within 45 days will result in:
 - Referral to the Federal Government for collection.
 - Ineligibility for Federal Financial Aid from all colleges and universities until the overpayment of aid and interest due is paid to the U.S. Department of Education.

For policies concerning fee refunds for Residence Hall charges, please refer to the Residence Life contract.

14 / Calendar

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Academic Calendar

2002 SUMMER SEMESTER

June 7	Day and Evening Registration
June 10	CLASSES BEGIN
June 13	Last Day for Full Refund of Fees
June 27	Withdrawal After This Date No Refund of Fees
July 4	Dismissal for 4th of July Holiday
July 18	Last Day to Withdraw from a Class with a "W"
July 29	Last Day for Complete Withdrawal from
	College with all "W's"
July 31	Last Day of Classes
	ust 1 Final Examinations (Evening Classes)
	Final Examinations (Day Classes)

2002-2003 FALL SEMESTER

2002 2000 I ALL GLINEGILII	
August 15 Day and Evening Re	gistration
August 15 Freshman Assess	ment Day
August 16 Faculty Study Conference & Day Re	
August 19 CLASSE	S BEGIN
August 23 Last Day for Full Refun	d of Fees
August 26 Add/Drop Fees & Late Registration Fe	ees Begin
September 2 Dismissal for L	abor Day
September 20 Withdrawal After This Date No Refun	d of Fees
October 18 Last Day to Withdraw From a Class	with a "W"
November 27-29 Dismissal for Thanksgivin	g Holiday
December 2 Classes	Resume
December 2 Last Day for Complete W	ithdrawal
from College with	n all "W's"
December 6 Last Day o	f Classes
December 9-13 Final Exa	minations
December 13 End of	Semester
December 14 Comme	encement

2002-2003 SPRING SEMESTER

January 9	Day and Evening Registration
January 10	Faculty Study Conference & Day Registration
January 13	CLASSES BEGIN
January 17	Last Day for Full Refund of Fees
January 20	Add/Drop Fees & Late Registration Fees Begin
February 14	1 Withdrawal After This Date No Refund of Fees
February 19	9 Senior Assessment Day
March 14.	Last Day to Withdraw From a Class with a "W"
March 17-2	1 Spring Break
May 5	Last Day for Complete Withdrawal from
	College with all "W's"
May 7	Last Day of Classes
May 8	Reading Day - No Finals
May 9-15	Final Examinations
May 15	End of Semester
May 17	Commencement
	Intersession

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Calendar / 15

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Academic Calendar

2003 SUMMER SEMESTER

June 6 Day and Evening Registration
June 9 CLASSES BEGIN
June 12 Last Day for Full Refund of Fees
June 26 Withdrawal After This Date No Refund of Fees
July 3 Dismissal for 4th of July Holiday
July 17 Last Day to Withdraw from a Class with a "W"
July 28 Last Day for Complete Withdrawal from
College with all "W's"
July 30 Last Day of Classes
July 28-31 Final Examinations (Evening Classes)
July 31 Final Examinations (Day Classes)

2003-2004 FALL SEMESTER

2000 2004 I ALL OLINEOTEIT
August 21 Day and Evening Registration
August 21 Freshman Assessment Day
August 22 Faculty Study Conference & Day Registration
August 25 CLASSES BEGIN
August 29 Last Day for Full Refund of Fees
September 1 Dismissal for Labor Day
September 2 Add/Drop Fees & Late Registration Fees Begin
September 26 Withdrawal After This Date No Refund of Fees
October 24 Last Day to Withdraw From a Class with a "W"
November 26-28 Dismissal for Thanksgiving Holiday
December 1 Classes Resume
December 8 Last Day for Complete Withdrawal
from College with all "W's"
December 12 Last Day of Classes
December 15-19 Final Examinations
December 19 End of Semester
December 20 Commencement

2003-2004 SPRING SEMESTER

2000 2001 OF THING OF THE
January 8 Day and Evening Registration
January 9 Faculty Study Conference & Day Registration
January 12 CLASSES BEGIN
January 16 Last Day for Full Refund of Fees
January 19 Add/Drop Fees & Late Registration Fees Begin
February 13 Withdrawal After This Date No Refund of Fees
February 18 Senior Assessment Day
March 12 Last Day to Withdraw From a Class with a "W"
March 15-19 Spring Break
May 3 Last Day for Complete Withdrawal
from College with all "W's"
May 5 Last Day of Classes
May 6 Reading Day - No Finals
May 7-13 Final Examinations
May 13 End of Semester
May 15 Commencement
May 17-28 Intersession

December 2003								
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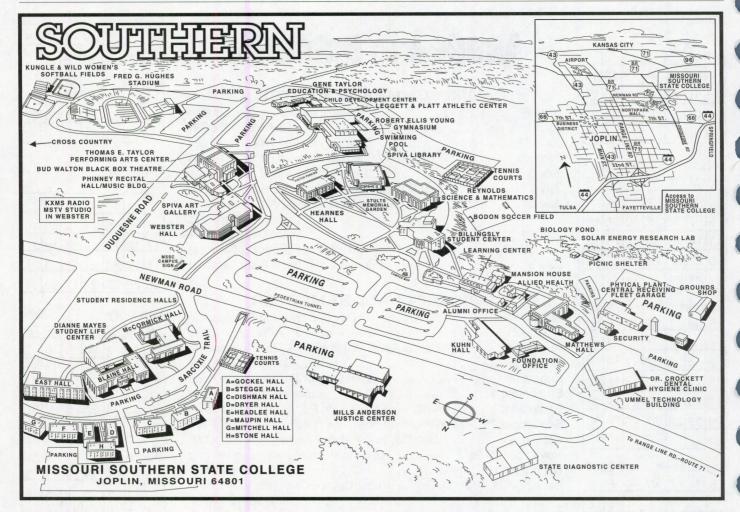
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16 / Directory/Map



Anderson Justice Center

Anderson Auditorium Criminal Justice Dean of Technology Emergency Medical Technology Firing Range Paramedic Regional Crime Laboratory Respiratory Therapy

Art Building

Art Spiva Art Gallery of MSSC

Billingsly Student Center

Bookstore
Career Services
Food Service
Meeting/Game Rooms
Public Information Office
Student Activities
Student Services
Ticket Office

Biology Pond

Picnic Pavilion Solar Energy Laboratory

Bud Walton Theatre

Emergency Medical Services Annex

Allied Health Services Alumni Office

Foundation House

Missouri Southern Foundation

Hearnes Hall

Administrative Offices Admissions English Financial Aid Registrar Student Support Center

Kuhn Hall

Nursing Radiology Student Health Center

Leggett & Platt Athletic Center

Arena Arena Athletics Director Men's baseball, basketball, Track Training Room Wellness Center Women's basketball

Maintenance Office

Campus Security Central Receiving Greenhouse

Matthews Hall

Business Administration Computer Information Science Matthews Hall Auditorium

Mission Hills Mansion Complex

Learning Center

Music Building

Music Phinney Recital Hall

Reynolds Hall

Biology Mathematics Physical Sciences

Spiva Library

Archives Audio Visual Center

Dianne Mayes Student Life Center

Cafeteria Computer Labs Meeting Rooms Recreational Facilities

Taylor Hall

Child Development Center Psychology Teacher Education

Taylor Performing Arts Center Theatre

Ummel Technology Building

Computer Aided Drafting/ Design Engineering Technology Dental Hygiene Manufacturing Information Management Systems Manufacturing Technology

Webster Hall

Communications
Honors Program
KXMS Radio
KGCS/MSTV Studio
Lifelong Learning
Social Science
Webster Hall Auditorium

Young Gymnasium

Football Office Kinesiology Sports Information Office Swimming Pool/Racquetball

P - Parking

VP - Visitor Parking

Joe Becker Stadium, home of the Baseball Lions, 3rd & High Streets.

Other facilities

Campus Directory
Hughes Stadium
Kungle & Wild Softball Fields
Bodon Soccer Field
Student Residence Halls
Stults Memorial Garden
Tennis Courts
Veterans Memorial

Correspondence

Missouri Southern State College • 3950 E. Newman Road • Joplin, Missouri 64801-1595 417-625-9300 • 1-800-606-MSSC • www.mssc.edu (admission, financial aid, athletics, housing)

Academic Affairs	625-9394	Loans	625-9325
Admissions Office	625-9378	Missouri Southern Foundation	625-9396
Athletics - Baseball, Basketball, Cross Country (M),		News/Publications	625-9399
Football, Golf, Track & Field (M)	625-9317	Orientation	625-9529
Athletics - Cross country (W), Soccer, Softball,		Physical Plant	625-9331
Tennis, Track & Field (W), Volleyball	625-9316	Public Information Office	625-9399
Alumni Affairs	625-9355	Purchasing	625-9388
Bookstore	625-9380	Residence Halls	
Business Affairs	625-9728	Blaine Hall	659-4107
Cafeteria	625-9546	McCormick Hall	659-4190
Career Services	625-9343	Student Life Center	659-4461
Catalog & bulletins	625-9378	Safety & Security	626-2222
Child Development Center	625-9360	School of	
Credit evaluations/transcripts	625-9389	Arts & Sciences	625-9385
Crime Laboratory	625-9382	Business Administration	625-9319
Dental Hygiene Clinic	625-9379	Education	625-9314
Disability Services	625-9373	Technology	625-9328
Evening Session	625-9394	Sports Information	625-9359
Faculty appointments	625-9394	Student Activities	625-9320
Financial aid	625-9325	Student Employment	625-9325
Gifts & Annuities	625-9500	Student Organizations	625-9320
Grammar Hotline	624-0171	Student Services	625-9392
Honors Program	625-3005	Summer Session	625-9394
Housing	625-9522	Student Support Center	625-9324
KGCS/MSTV	625-9375	Swimming & Racquetball	625-9390
KXMS-88.7	625-9356	Testing	625-9324
Learning Center	625-9373	Ticket Office	625-9366
Library	625-9386	Veterans Affairs	625-3159
Lifelong Learning	625-9384		





Career Services
Campus Recreation
& Wellness Program
College Orientation
Disability Services
Food Service
Intercollegiate Athletics
Residence Halls
Student Activities
Student Health Servies
Student Life Center
Student Policies
Student Support Center

Student Services

Dean of Students and Assistant Vice President for Student Services Doug Carnahan

Billingsly Student Center 211, 417.625.9531

Staff: Carlisle, Dipley, Fullerton, Gipson, Griffin, Ingram, Thomas

Because all education does not take place in the classroom, the Student Services staff provides a wide variety of services for students at Missouri Southern. The department includes the Student Services Office, Dean of Students, Residence Life, Student Activities, Billingsly Student Center, Dianne Mayes Student Life Center, Food Service, Student Health Services, and Recreation, Intramurals and Wellness.

With the objective of helping students to fully develop and achieve their educational goals, professional staff members are trained to support students by:

- providing a campus climate in student residence and campus affairs that is conducive to academic achievement;
- providing services which will assist in the self-development of all students and promote the understanding of their own purposes for being in college;
- providing, through student government, student organizations and other activities, both an opportunity to practice democratic living, with both rights and responsibilities, and a chance to learn to work effectively and cooperatively with others;
- 4. helping each student develop a sense of individual responsibility and self-discipline;
- interpreting college objectives, policies and rules to students and communicate student attitudes, opinions and activities to the faculty, administration and general public; and
- providing student health services that meet the emergency and temporary medical needs of all students.

Student Support Center

Kelly E. Wilson, Director Hearnes Hall 114, 417.625.9324

The primary goal of the Student Support Center is to promote the student's academic and personal development. Services are provided for individuals with educational, academic, personal, and social concerns. Experienced pro-

fessional staff members provide individual counseling for academic, career, and short-term personal concerns as well as offer a variety of tests, inventories, and referral services. Such services are considered confidential.

Academic Advisement

Students who have not declared an academic major area of study will be assigned an adviser from the staff in the Student Support Center. At the beginning of each semester, undeclared majors need to make an appointment with their adviser in the Student Support Center to discuss their academic plans. Later in the semester a second appointment needs to be made to enroll for the next semester. The responsibility for satisfying all requirements rests with the student. Advisers, faculty and administration assist in meeting this responsibility.

Career Counseling

Students who are uncertain of their major are encouraged to make an appointment with a counselor to identify, understand and explore academic/career related concerns. Interest and personality inventories are available as well as a career library to assist in the career decision-making process. Career and Life Planning classes for undecided students are offered during the second half of each semester.

The SIGI, a computer based career information systems, is available and designed to assist students in clarifying values, assessing competencies and interests, making decisions, securing information on occupations, educational opportunities, and selecting appropriate career development strategies.

Personal Counseling

Confidential, personal counseling is available to students who may be struggling with relationship issues, stress, depression, adjustment issues, grief, trauma or problems with eating disorders or drug or alcohol abuse. Contact the Student Support Center in person or by phone to set up an appointment. Referrals to additional resources may be given as appropriate.

Testing Services

Missouri Southern is a national testing center for the following examinations:

- 1. ACT (Placement test for college entrance)
- 2. Praxis Series (National Teachers Exam)
- 3. DHAT (Dental Hygiene Aptitude Test)
- 4. GED (General Education Development high school equivalency test)

Student Services / 21

- 5. MAT (Miller's Analogy Test for graduate school)
- 6. CLEP (College Level Examinations Program)
- 7. Michigan Test (English Language Proficiency)

The CLEP (College Level Examination Program) is administered by appointment. The student must contact the Student Support Center to register prior to the testing time/day. This program is designed to allow students to receive, upon attaining a passing grade, proficiency credit for core requirements. In order to receive credit for a CLEP examination, a student must have the following qualifications:

- (a) not have taken an examination over the course within the preceding six months;
- (b) not have credit in a more advanced course in the same field;
- (c) be working toward a degree at Missouri Southern State College;
- (d) not use the examination to replace a previously earned grade.

The Student Support Center also provides proctors and a testing room for students taking correspondence courses from other accredited institutions. Appointments must be made prior to taking the test. A fee will be charged for each test administered.

All students whose native language is not English, who wish to transfer with 24 hours or more and do not have a minimum TOEFL score of 535, or a minimum TOEFL computer score of 200, may take, by appointment, the Michigan Test of English Language Proficiency. A passing grade on the Michigan Test is 75. If proficiency on the Michigan Test is not achieved, the applicant must wait 60 days to retake the test. There is a fee for this test and a passport or green card is required for identification.

The Student Support Center also provides the GED (General Education Development) High School Equivalency Test as a service to the people of Southwest Missouri who were unable to complete their high school education. The person making an acceptable score on the GED test will receive a high school equivalency certificate from the Missouri State Department of Education. Applications for GED testing are available from the Student Support Center.

Non-Traditional Student Program

Students who have been out of school for several years often have unique concerns about returning to college. Workshops to ease the transition to college are offered periodically and a non-traditional club—OWLS (Older Wiser Learners) meets weekly for support. Non-Traditional orientation classes are offered every semester to help with the adjustments to college and reacquaint the learner with study skills and time management issues.

FRESH START for non-traditional students is a specially designed full-day required enrollment program. It is for first time freshman students who graduated from high school

two or more years ago and for those who possess a GED. These students have experiences that are often different from those of recent high school graduates, and profit from enrolling as a group.

Other Services

Outreach: Special programs and workshops designed to define and/or to prevent problems and to improve the quality of college life are presented. These offerings provide information, techniques, and skills relevant to specific topics of interest such as: stress management, test anxiety, self-esteem, and building successful relationships.

Emergency: Crisis intervention is provided to deal with situations requiring immediate attention.

Consultation and Referral: The Center's staff is available, upon request, to provide consultation to the administration, faculty, staff, and students. The staff also will facilitate referrals to outside agencies and to licensed professionals as needed.

College Orientation

Holley Goodnight, Coordinator of New Student Programs Hearnes Hall 114B, 417.625.9324

To assist all new students in the transition to college life, Southern has designed an orientation course to help them become acquainted with college services, facilities, and policies as well as to introduce helpful social and academic survival skills.

This eight-week course is offered in the spring and fall semesters. Special orientation courses are designed for transfer, honors, athlete, and non-traditional students. Time management, study skills, social issues, and the assignment of an academic adviser are among the major objectives covered in this course. The program operates in small group settings and is facilitated by peer leaders who have successfully completed a Leadership Training program.

Fresh Start

Fresh Start is a one-day orientation, testing, and enrollment program that is required for all incoming freshmen. During Fresh Start, students will have an opportunity to:

- take the Writing Placement Exam (determines placement in English Composition)
- learn more about majors and programs offered at Southern
- meet and talk with current and other incoming students
- learn more about campus services and policies (security, parking, health services, activities, residence halls, etc.)
- · enroll in fall classes

22 / Student Services

Family and guests are invited to participate in the Family Program. The Family Program runs concurrently with the student program and is designed to address specific issues related to sending a student to college.

Invitations to Fresh Start are mailed through May and June. To be invited to Fresh Start, a student must be accepted to the College through the Admissions Office.

University 101

University 101 is a class designed for high school seniors and juniors who plan to attend college. The course focuses on how to choose a college, apply for financial aid, adapt to new academic and social rigors, and how to manage time and money. University 101 is offered the first 8 weeks of each spring semester.

NCAA Champs Life Skills Program

Missouri Southern State College was accepted into the NCAA Champs Life Skills Program in the Spring of 2001. The mission of the NCAA is to maintain intercollegiate athletes as an integral part of the campus educational program and the athlete as an integral part of the student body. With this in mind, the CHAMPS Life Skills program was created to support the student development initiatives of its member institutions and to enhance the quality of the student-athlete experience within the university setting.

CHAMPS Life Skills Program Commitment Statements

Commitment to Academic Excellence

To support the academic progress of the student athlete toward intellectual development and graduation.

Commitment to Athletic Excellence

To build philosophical foundations for the development of athletic programs that are broad-based, equitable and dedicated to the well-being of the student athlete.

Commitment to Personal Development

To support the development of a well balanced lifestyle for student athletes, encouraging emotional well-being, personal growth and decision making skills.

Commitment to Career Development

To encourage the student athlete to develop and pursue career and life goals.

Commitment to Service

To engage the student athlete in service to his/her campus and surrounding communities.

Project STAY

Susan Craig, Director North Guest House, 417.625.9830

Project STAY is a federally funded Student Support Services grant program designed to provide services to MSSC students to help them graduate. Services provided by the Project include: academic advising, priority enrollment (for freshmen and sophomores), career and personal counseling, tutoring and supplemental instruction, assistance with applying to graduate school, and travel to area cultural sites. The Project serves 160 students. To qualify, students must be either first-generation college students (neither parent has a bachelor's degree), meet an income guideline, or be a student with a disability. To get more information or pick up an application, call the Project STAY office at 417.625.9830 or visit www.mssc.edu/projectstay.

Upward Bound

Susan Koepke, Director South Guest House, 417.625.9830

Upward Bound is a federally funded program designed to help students gain the skills necessary to persist through high school and on to post-secondary education. Some of the services provided by Upward Bound include a six-week summer College Simulation Experience, monthly Saturday "Focus On" meetings, academic tutoring for current classes, opportunities to shadow student and professional mentors, and field trips to area college campuses and cultural sites. The services provided by Upward Bound are free to students and parents/guardians. For more information, please contact the Upward Bound office at 417.625.9830, or visit www.mssc.edu/upwardbound/home.html.

Disability Services

Melissa Locher, Coordinator of Disability Services Learning Center, 417.625.9373 Mansion Classroom Building

Missouri Southern State College strives to assure that no qualified person with a disability shall, solely by reason of the disability, be denied access to, participation in, or the benefits of any program or activity operated by Missouri Southern. Each such qualified person shall receive reasonable accommodations to provide equally effective access to educational opportunities, programs, and activities in the most integrated setting appropriate unless provision of such reasonable accommodation would constitute an undue hardship on the College or would substantially alter essential elements of the academic program or course of study or

would otherwise compromise academic standards. This

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policy shall apply to all programs, services, and activities of the College, including but not limited to recruitment, admissions, registration, financial aid, academic programs, advising, counseling, student health, housing and employment.

A student seeking accommodation must make his or her request to the Coordinator of Disability Services. Preferably, the student will make this request in person. If it is not feasible for the student to meet in person, the request for accommodation can be made in writing or via electronic mail. Requests for accommodation made to College personnel other than the Coordinator of Disability Services is not an official request for accommodation.

The request for accommodations should be made far enough in advance to allow the Coordinator of Disability Service adequate time to respond to the request. The lead time required to put accommodations into place will vary with the type of accommodation. For example, arranging to take a test in the Learning Center requires 48 hours notice. Requesting a sign language interpreter should be done at least three months prior to the start of classes to insure the availability of an interpreter. The specific time allowances for different accommodations can be found in the Disability Services Policies and Procedures, Procedure 6.00 available from the Coordinator of Disability Services.

All students are asked to provide documentation when requesting accommodations for two reasons. First, to establish that the individual is a person with a disability and, second, to determine appropriate accommodations. The documentation must establish that the person has a substantial limitation in a major life activity and is therefore an individual with a disability.

All documentation, regardless of source, should contain the following six essential features.

- A diagnostic statement identifying the disability, date of the current diagnostic evaluation, and the date of the original diagnosis.
- A description of the diagnostic criteria or diagnostic tests used.
- A description of how the disability effects one of the major life activities and the current functional impact of the disability.
- 4. Treatments, medications, assistive devices/services currently prescribed or in use.
- A description of the expected progression or stability of the impact of the disability over time should be included.
- Information describing the certification, licensure, and or the professional training of individuals conducting the evaluation.

Documentation may be required from more than one professional source in order to clearly identify the need for accommodations for individuals with multiple disabilities.

The age of the documentation will vary dependant on the type and nature of the disability. This variance occurs because some disability-related needs are static while others change rapidly. Detailed guidelines for documentation for each area of disability can be found within Procedures 3.01, which is available from the Coordinator of Disability Services.

The Coordinator of Disability Services shall make appropriate determination of reasonable accommodations for students based on appropriate documentation provided by the student. The authority to make such decisions on behalf of the institution has been assigned by the Vice President for Academic Affairs for academic program issues and by the Vice President for Business Affairs for non-academic program issues.

Once appropriate documentation has been supplied to the Coordinator of Disability Services and the determination has been made that the documentation supports the need for accommodation (see Policy 3.00), the student and Coordinator of Disability Services will draw up an *Accommodation Plan*. The *Accommodation Plan* will remain in effect until either (1) the plan's date of expiration passes or (2) the student requests an accommodation not previously listed on the plan. In the event of the second, the *Accommodation Plan* will be adjusted in accordance with the student's documentation supporting the request.

Specific procedures in terms of how to request particular accommodations, the amount of advance notice that must be given and who is in charge of various services will be delineated in Procedures 6.0 available from the Coordinator of Disability Services.

The student is responsible for notifying faculty of any accommodations that he or she may be accessing in relationship to the faculty member's class. The student will be given a memo from the Coordinator of Disability Services detailing the authorized accommodations.

If the accommodations listed in the *Accommodation Plan* are not provided or are not effective in providing equal access, the student should follow the procedures for filing a grievance listed in Policy and Procedure 9.00. The Grievance Procedures are available from the Coordinator of Disability Services, the Dean of Students, or the Vice President for Academic Affairs.

Missouri Southern State College may consider a course substitution and/or waiver as a reasonable accommodation when it is shown that a student's disability severely impacts his or her ability to complete a required course(s) for a degree program. The student should see the Coordinator of Disability Services to initiate this process.

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Equal Opportunity

Missouri Southern State College does not discriminate on the basis of disability, race, color, religion, national origin, sex or age in the recruitment and admission of students, the recruitment and employment of faculty and staff and the operation of any of its programs and activities, as specified by federal laws and regulations. The Director of Personnel is the designated coordinator for compliance with Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and the Age Discrimination Act of 1967.

Student Activities

TBA, Coordinator
Billingsly Student Center 102, 417.625.9320

The Coordinator of Student Activities works closely with other Student Services personnel and the Campus Activities Board in providing a variety of services for students, faculty and staff at Missouri Southern.

Billingsly Student Center

Billingsly Student Center 102, 417.625.9346

The Billingsly Student Center (BSC) is centrally located to provide convenient access to student services and facilities. The Student Center Office oversees reservations of the buildings, meeting rooms, lounges, ballrooms, and equipment for departmental, student organizational and off-campus meetings and events held in the Student Center. The Student Center Office also houses the all-campus lost and found, and must be contacted for approval of all forms of advertising on campus bulletin boards. BSC is home to the College Bookstore, the students' source of rental and purchase textbooks, classroom materials, campus clothing, and gift shop. The BSC Box Office, in room 112, handles ticket sales for both on-campus and off-campus activities and entertainment. The Lion's Den Snack Bar, serving breakfast and lunch, offers a variety of foods and beverages for every appetite. There is a large study lounge, convenience store, separate TV lounge, vending area, and a games area with four billiards tables, ping-pong, and video games.

Student Activities Office

Billingsly Student Center 102, 417.625.9320

Campus activities are scheduled in the Student Activities Office. The office also oversees the 91 recognized student organizations, publishes the monthly all-campus activities calendar, assists students in organizing or re-instituting student organizations, organizes and supervises Homecoming, and produces and promotes various special events.

Campus Activities Board (CAB)

Billingsly Student Center 100, 417.625.9669

The Campus Activities Board, a student organization supported by student activity fees, has the responsibility for programming social, educational and recreational activities for the entire college community. Students may volunteer to serve on one of the seven CAB committees: concerts, family events, novelty events, lectures, special events, tour and travel, and public relations. Interested students may attend the weekly meetings or stop by the CAB office on the lower level of Billingsly Student Center.

Student Senate

Billingsly Student Center 211, 417.625.9751

The Student Senate serves as the governing body for students and acts as a liaison between the faculty and the student body. The responsibility for student government rests not only with the student officers, boards and committees but also with each member of the student body. The Student Senate is made up of nine senators from each class, who are elected in the fall, and the executive officers, who are elected in the spring. The Student Senate is funded from student activity fees. Students wishing to speak with a Senate representative may do so via the Student Services Office on the second floor of the Student Center.

Campus Recreation & Wellness Program

Darren Fullerton, Director BSC-211, 417.625.9392 Cindy Webb, Fitness Coordinator Y-114, 417.625.9533

The Campus Recreation & Wellness Department is comprised of six program areas under the Division of Student Services. The purpose of the Campus Recreation Program is to provide a wide variety of fitness, wellness, recreational, outdoor and sport related activities to the college community. The Campus Recreation Program offers activities for students, faculty, staff and their families. The Campus Recreation Program also offers activities on various days and times in an attempt to meet the needs of traditional and nontraditional students. The Campus Recreation Program conducts programming in the following areas: Intramural Sports, Wellness/Fitness, Aquatics, Outdoor Adventures, Open Recreation and Special Events.

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Office of Career Services

Patricia Hurley, Director

Billingsly Student Center 207, 417.625.9343

Career Services assists students and alumni in the development of employability skills necessary to conduct a successful job search and in the location of full-time employment. Seniors and alumni can take advantage of oncampus interviews with representatives from business, industry, government and educational institutions. Students are encouraged to visit the Office of Career Services and/or register with the Southern Job Network (an on-line resume database system) at www.mssc.edu/career to take advantage of on-campus interviews, job listings, Career Development Day, Spring Job Expo, Education Job Fair, career success workshops, mock interviews, career advising, assistance in preparing resumes as well as many periodical and computer resources available in the career library.

Career Services is open Tuesday nights until 6:30 p.m. to better serve students and alumni.

Residence Halls

Deb Gipson, Coordinator for Student Housing Student Life Center, 417.659.4460 Billingsly Student Center 211, 417.625.9522

The Missouri Southern on-campus residence requirement is as follows: "All freshmen and sophomores under the age of 21, are required to live in the Missouri Southern residence halls to the extent space is available, unless they are married, or are excused by the Coordinator of Student Housing."

The College provides air conditioned residence hall accommodations and meals for approximately 700 full-time students. Concerned with the total needs of the students, the College maintains a safe and comfortable place to live and an adequate physical environment as well as opportunities for learning. The atmosphere in the residence halls contributes significantly to the students' personal growth and maturity.

The residence halls are staffed by three full-time professional resident directors and 22 paraprofessional staff assistants. The programming body for resident students is the Residence Hall Association (RHA) which provides educational, social and athletic programs. Some RHA committees serve as a liaison between resident students and the College administration.

Residence hall rooms are fully furnished except for linens and personal items. Cable TV, study lounges, recreational areas, personal computers, vending machines, coin-operated laundry facilities and free local telephone service with voice mail and individual access codes are in the residence halls.

To reserve a room in a college residence hall, a prospective student should request an Application Contract for Room and Board Accommodations from the Missouri Southern Residence Life Office. The completed Application Contract should be returned to this office with a \$150 security deposit. The deposit is retained by the College as long as the student is in residence and refunded upon termination of the contract if all terms of the contract are fulfilled.

This contract, which is a combined contract for room and meals, is effective for the entire academic year (fall and spring semesters) or for the remaining portion of the academic year if entered into after the beginning of the fall semester. Detailed terms will be found on the contract form.

The College is not responsible for the loss of or damage to, any personal property of students.

For detailed rules and regulations governing residence hall living at Missouri Southern, contact the Coordinator of Student Housing, Room 102, Mayes Student Life Center or the Residence Life Office, Room 211, Billingsly Student Center.

Student Life Center

Deb Gipson, Coordinator for Student Housing Student Life Center 102, 417.659.4460

The Dianne Mayes Student Life Center, opened in the fall of 1996, is a state-of-the-art facility focused on providing avenues for the social, recreational and physical development of Missouri Southern students. Located directly behind McCormick and Blaine Halls in the residence hall complex, the center has extended hours to better serve all students, both commuter and resident, plus faculty and staff.

The college cafeteria is located on the 2nd floor and operates on funds received from board payments from residence hall students and cash sales for individual meals. Other facilities, located on the 1st floor, include a large television lounge equipped with surround sound, a video game arcade, an aerobics room complete with setup for step aerobic and dance classes, a workout area supplied with a variety of cardiovascular and strength equipment, computer lab, laundry room, as well as table tennis, billiards, air hockey, game tables and a study area. The Mayes Student Life Center also serves as the location of a centralized information outlet, as well as a mailroom providing service to all resident students.

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For more information regarding the center's hours of operation, programs and policies governing the use of the facility, contact the Student Life Center Office, Room 102, Mayes Student Life Center.

Food Service

TBA, Director of Food Service
Billingsly Student Center 206, 417.625.9546

Food service is bid by the College and handled by a professional food service company. The cafeteria operates on funds received from board payments and cash sales of individual meals.

All residence hall students must contract for board. Board contract includes a 20-meals-per-week program. Individual meals feature salad bar and unlimited servings, including entrees.

Commuter students interested in taking some or all of their meals at the college cafeteria may purchase 20-meal tickets in the Business Office. Also, separate breakfast, lunch or dinner tickets are available in the Food Service Office at a much reduced price compared to buying meals separately.

The new Lion's Den mini food court, located on the 2nd floor of Billingsly Student Center, offers a variety of food options for students.

College food service also features a gourmet coffee shop located on the lower level of the Spiva Library.

Student Health Services

Jan Dipley FNPC, Coordinator of Health Services Kuhn Hall 306, 417.625.9323

The Student Health Center, is staffed with a full-time family nurse practitioner, a part-time women's health nurse practitioner, and a physician who is available for daily consultation. Appointments to see the nurse practitioner Monday through Friday from 8 a.m. to 4 p.m. can be made by contacting the Student Health Center. All currently enrolled students are eligible for treatment at the Center. Some of the services offered are: first aid and injury care, allergy injections, TB skin testing, flu shots (in season) and screening for certain illnesses. Most services are free; however, students are expected to pay for laboratory, x-ray, work/school physicals, emergency room, hospital services, gynecological, STD, prescriptions and ambulance service. The Health Center maintains files on current students, including medical history and immunization records. Recommendation and referral to community or campus resources are also part of student health services.

A voluntary accident and sickness insurance plan for students is available from the Student Services Office, Room 211, Billingsly Student Center.

Communicable Diseases

Students must submit have proof of immunization, including two doses of measles/rubella vaccine, to be kept on file in the Student Health Center. When a communicable disease comes to the attention of the College, whether student, faculty or staff member, the College's physician and nurse practitioner will assume responsibility for conducting a thorough review based upon the best medical and legal information available. Students who have not been properly immunized or who have not had these diseases may be banned from College property in the event of an outbreak on campus. Any actions taken will respect the confidentiality of the individual as well as the individual's welfare and that of the College community.

Smoking and Tobacco Use Policy

The Board of Regents of Missouri Southern State College prohibits smoking and tobacco use of any kind. Tobacco products are not permitted in any campus buildings. Smoking and other tobacco usage is permitted only outside of buildings.

Intercollegiate Athletics

Sallie Beard, Athletics Director

Leggett & Platt Athletic Center 148-C, 417.625.9574

Robert Corn, Assistant Athletics Director

Leggett & Platt Athletic Center 148-B, 417.625.9330

The purpose of the Missouri Southern Athletic Department is to empower student-athletes with the confidence and ability to succeed. The Athletic Department feels its most important responsibility is to assist its student-athletes in reaching their highest potential as they strive for excellence academically, athletically, and socially within a diverse and challenging society.

The Athletic Department also serves as a means of gaining public attention for the College. While this public attention, as well as the entertainment aspects of intercollegiate sports, must be recognized, they are secondary in importance to the role of athletics in the total educational program.

The staff of the Athletic Department provides quality programs for students who express an interest in various sports, as well as in athletic training, sports information and athletic marketing. Male and female students have similar opportunities to participate in athletic activities with appropriate support.

The College is a member of the Mid-America Intercollegiate Athletics Association and the National Collegiate Athletic

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Association Division II. College teams compete on the intercollegiate level in baseball, basketball, cross country, football, golf, soccer, softball, tennis, track & field, and volleyball.

Student Policies

Student Conduct

In order to provide the best possible environment for personal and intellectual growth, the College has established regulations to guide student conduct. A summary of these rules and regulations is found in the Student Handbook which may be obtained from the Student Services Office, Room 211, Billingsly Student Center.

Drug and Alcohol Prevention Program

Pursuant to the Drug-Free Schools and Communities Act Amendments of 1989, Missouri Southern State College has established a drug and alcohol prevention program for its students. The College's program is described below.

Substance Abuse Policy: Students are prohibited from using alcoholic beverages and illegal drugs on Collegeowned or controlled property and at College-sponsored or supervised activities. Irresponsible alcohol or other drug use off campus resulting in disorderly conduct on campus also is not acceptable. Any student of Missouri Southern State College found to have manufactured, dispensed, possessed or used a controlled substance in violation of the Substance Abuse Policy of this College will be subject to discipline in accordance with College policy and reported to local, state or federal law enforcement authorities for criminal prosecution. Criminal prosecution for these acts could lead to a conviction and such a conviction could result in a sentence

imposing a monetary fine, imprisonment in a state or federal penitentiary or both.

Health Risks: Specific serious health risks are associated with the use of illicit drugs and alcohol. Some of the major risks:

Alcohol and other depressants (barbiturates, sedatives and tranquilizers): addiction, accidents as a re-

sult of impaired ability and judgment, overdose when used with other depressants, damage to a developing fetus, heart and liver damage.

Marijuana: addiction, panic reaction; impaired short-term memory; increased risk of lung cancer and emphysema, particularly in cigarette smokers; impairment of driving ability.

Cocaine: addiction, heart attack, seizures, lung damage, severe depression, paranoia, psychosis. Similar risks are associated with other stimulants, such as speed and uppers.

Hallucinogens (acid, LSD, PCP, MDMA, etc): unpredictable behavior, emotional instability, violent behavior, organic brain damage in heavy users, convulsions, coma.

Narcotics (heroin, Demeral, morphine, Codeine, etc.): addiction, accidental overdose, risk of hepatitis and AIDS from contaminated needles.

Inhalants (gas, aerosols, glue, nitrites, etc.): loss of consciousness, suffocation, damage to brain and central nervous system, sudden death, nausea and vomiting, nosebleeds, impaired judgment.

Methamphetamines: addiction, irritability, sleeplessness, nervousness, sudden weight loss, pungent body odor, protrusion of eyes.

Resources: A variety of resources exist for drug or alcohol counseling, treatment or rehabilitation programs. A few are listed inside the front of the *Student Handbook*. For more detailed information concerning these resources and others available from the College and/or community agencies, students may contact the Student Support Center (417.625.9595) or the Student Services Office (417.625.9392). Such referrals will respect individual confidentiality.

A main objective of the drug and alcohol prevention program is to encourage healthy attitudes and behaviors on the part of all students and responsible decisions about alcohol/drug use. Another objective is to provide students in certain high risk groups (freshman, Greeks, athletes, residence hall students, etc.) with specific and up-to-date information regarding the long-and-short-term effects of alcohol/drug use. A final objective is to provide students with the necessary skills to help them carry out the decisions they have made in regard to their use or nonuse of alcohol/drugs, and how to effectively handle certain "high pressure" situations.

To meet the above objectives, information and assistance is provided to students in several ways. First, alcohol and drug films are shown and programs conducted in all orientation classes, which are required for all new students. Additional alcohol and drug information is presented in other academic classes, including Kine 103, Lifetime Wellness. Pamphlets about alcohol and drug use are distributed each semester in residence hall rooms and in the Student Center. Special alcohol and drug training is provided annually for residence hall staff and orientation leaders.



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The athletic department provides a program for varsity athletes. Special alcohol and drug programs are presented throughout the year. Active drug testing is done. A committee of counselors, teachers and clergy are available to assist varsity athletes.

The Student Services Office, Student Support Center, Campus Activities Board and the Residence Hall Association provide alcohol and drug programs throughout the year for all students.

Sexual Harassment Policy

Missouri Southern State College is committed to the principles of equal opportunity and does not discriminate on the basis of race, age, sex, religion, national origin or handicap. The U.S. Equal Employment Opportunity Commission has issued guidelines: It is the policy of Missouri Southern State College that no member of the campus community may sexually harass another individual. Sexual harassment defined as the use of one's authority or power to coerce another into unwanted sexual relations or to punish another for his/her refusal, or the creation by a member of the college community of an intimidating, hostile or offensive working education environment through repetitive verbal or physical conduct of a sexual nature, shall be a violation.

Any student with a sexual harassment complaint should contact the Dean of Students.

Campus Security Act Policies and Procedures

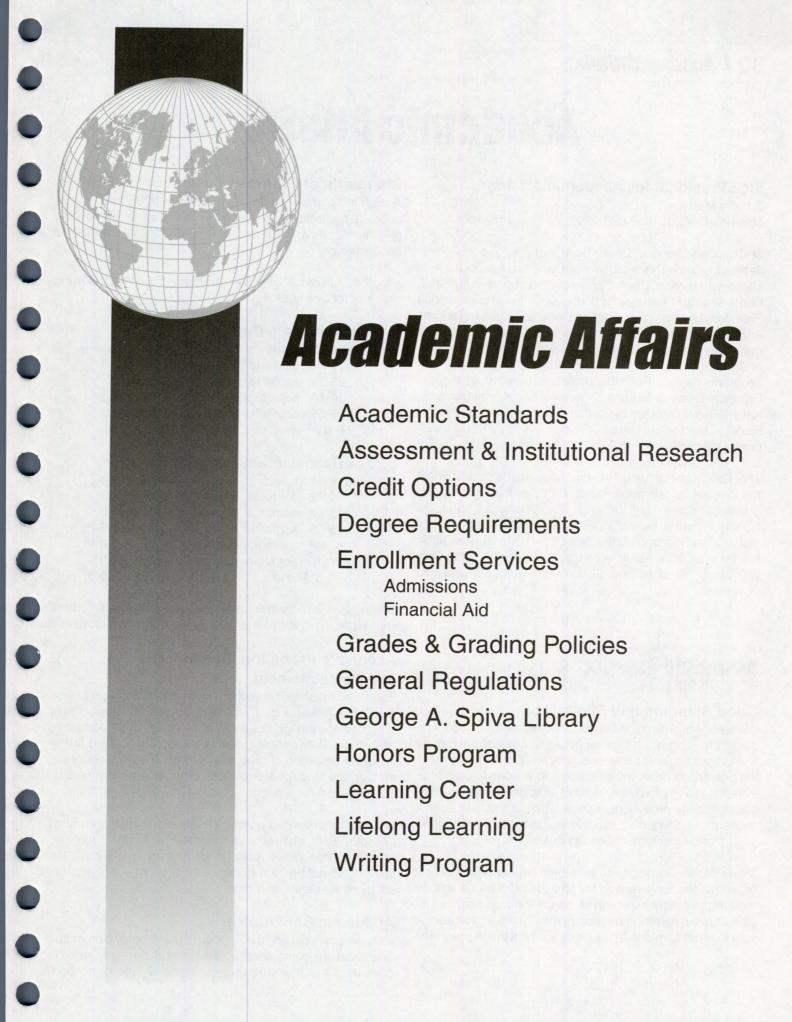
- 1. All campus crimes should be reported immediately to Campus Security. Campus security officers are available on campus 24 hours of every day. The number to call for on-campus personnel is extension 2222. Officampus personnel should call 626-2222 during the weekday office hours of 7 a.m.- 4 p.m. After hours, weekends and holidays, the number is 437-0390. This will contact the security officer on duty directly via cellular phone. Each call will be responded to by a campus security officer.
- All academic buildings are locked each evening and during the weekends. One security officer makes nightly rounds, using a computerized security key system. All

residence halls, except Blaine Hall, are locked at midnight Sunday-Thursday and 2 a.m. on Friday and Saturday. Individual keys are issued to each resident student. Another security officer is on duty in the residence hall area from 11 p.m. to 7 a.m. each day.

- 3. The Security Department personnel are not commissioned law enforcement officers. However, each officer has completed the coursework necessary to meet the state requirements to be commissioned. There is an excellent working relationship between the department and the city and county law enforcement agencies. All employees and students are directed to report all occurrences of any criminal activity to the Campus Security. Campus Security is directed to report all felonies and other crimes reported on the uniform crime report sent to the NCIC to the Joplin Police Department.
- 4. These policies and procedures are published in the Student Handbook which is distributed to all freshmen students. Each semester during freshman orientation, seminars are given covering date rape, safety tips and security procedures.
- 5. Crime prevention programs are presented each semester by the Campus Activities Board, Student Services and Residence Hall Association. Pamphlets regarding crime prevention are distributed to all resident students and are made available to all students in the Student Center.
- MSSC does not have off-campus student organizations recognized by the institution.
- 7. Crime statistics are available in the Campus Security Office as well as on the internet at www.mssc.edu

Student Identification Cards

The student identification card is produced by the College and issued to all students as a means of personal identification. The College reserves the right to request a student to produce the I.D. card at any time deemed necessary. The student I.D. is a service to students currently enrolled who wish to use college facilities and services. The first student I.D. costs \$2.00; replacement cost for lost cards is \$5.00. Student I.D. cards may be obtained at the Campus Security Office.



Academic Affairs

Vice President for Academic Affairs

J. Larry Martin Hearnes Hall 200, 417.625.9394

Staff: John Messick, Dean, School of Arts and Sciences; James M. Gray, Dean, School of Business Administration; Michael J. Horvath, Dean, School of Education; Tia M. Strait, Dean, School of Technology; Betsy Q. Griffin, Assistant Vice President/Grants Writer; Sandra Hamlin, Registrar; Delores A. Honey, Assistant Vice President for Center for Assessment and Institutional Research; Eillen A. Godsey, Director of the Learning Center; Patricia P. Kluthe, Director of Honors Program; Karl J. Schmidt, Assistant Director of Honors Program; Derek S. Skaggs, Director of Enrollment Services; Kelly Wilson, Director of Student Support Center; Patricia Hurley, Director of Career Services; Wendy McGrane, Library Director

The Office of the Vice President for Academic Affairs is responsible for the administration of the instructional programs both on and off campus. The Learning Center, the Honors Program, the Writing Program, the Assessment and Institutional Research Office, the Library, the Grants Office, Registrar's Office, Admissions Office, Student Support Center, Career Services and all academic units are under its direction.

Academic Standards

Good Standing and Eligibility

Students enrolled at Missouri Southern are in good academic standing when they meet the standards of progress toward graduation as described below. Those falling below the prescribed norm will be placed on academic probation. Persons failing to achieve normal progress toward graduation during the probationary period are subject to academic suspension. Students receiving financial aid must meet the good standing criteria described below.

Those students competing in intercollegiate athletics or in organizations representing the College off campus shall be required to satisfy minimum standards of progress, as indicated below, following the completion of the first academic year in order to maintain future eligibility in these programs.

Standards of Progress Toward Graduation*

A student's cumulative grade point average (GPA) is used to evaluate progress. If the grade point average falls below the minimum standards of progress, the work is considered unsatisfactory.

Progress toward a degree is computed on the following grade point averages:

A. For Associate Degree

Hours Atte	mpted Gr	aa	le	,	P	0	ir	nt	1	41	VE	er	age
	semester hour												
23-33	semester hour	S											1.7
34-44	semester hour	S											1.8
45-55	semester hour	S											1.9
56 & Ab	ove												2.0

B. For Baccalaureate Degree

Hours Atte	mpted Grad	de	,	P	oi	n	t	41	VE	er	age
	semester hours										
23-44	semester hours										1.6
45-66	semester hours										1.7
67-88	semester hours										1.8
89-110	semester hours										1.9
111 & A	bove										2.0

*Students who receive financial aid must comply with federal standards. The above may not reflect those standards.

Academic Probation, Suspension and Reinstatement

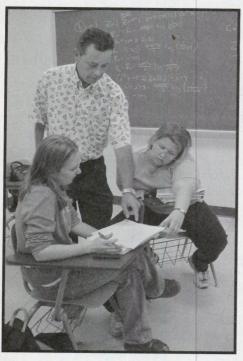
Each student should consider a grade point average of less than 2.0 as a warning. Those falling below the standards of progress toward graduation will be placed on academic probation. If the grade point average is not raised to the minimum standard of progress during the probationary semester, the student is subject to immediate academic suspension from the College.

A student receiving academic suspension may not enroll at Missouri Southern for one semester. Re-entry may be denied by the Vice President for Academic Affairs, if the student cannot present evidence that indicates a high probability of academic success.

Academic Bankruptcy

A student may petition the Academic Bankruptcy Committee to request one semester of academic work be disregarded in computing the academic record. To be eligible for petition-

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ing, a student must be currently enrolled, in good standing and must document the unusual conditions which justify the petition. The petition is initiated in the Registrar's Office.

Academic Bankruptcy can never be used as a means of obtaining academic honors or athletic eligibility. Academic Bankruptcy will not remove grades from the student's

permanent record. It merely allows one semester of recorded work to be eliminated in computing the student's scholastic average. Academic Bankruptcy can not be applied to transfer courses.

Repetition of Courses

Students may repeat courses in which grades "F, D, C, or B" have been earned. When a course is repeated, the first grade will not be removed from the record, but the latest grade will be used when computing grade point averages.

Honor Roll

An Honors or Deans' List, issued at the end of each semester, contains the names of full-time undergraduate students who have a 3.75 grade point average or higher with no incomplete grade or a grade below "C."

Graduation Honors

In recognition of superior scholarships, the College awards honors to associate degree and baccalaureate degree graduates. Honors listed below are not earned until courses are completed, graded and posted on the student's permanent record.

Associate Degree — The student must have completed a minimum one half of the hours required for the degree in residence at Missouri Southern State College. The cumulative grade point average required to receive:

First Honors	3.90-4.00
Second Honors	3.80-3.89
Third Honors	3.70-3.79

Baccalaureate Degree — Eligibility for any one of the following three honors requires the candidate to study all the junior and senior years at Missouri Southern and earn a minimum of 60 hours of credit:

Summa Cum Laude	3.90-4.00
Magna Cum Laude	3.80-3.89
Cum Laude	3.70-3.79

Revised Standards for Veterans Educational Benefits

The Revised Standards for Veteran's Educational Benefits as adopted by the State Board of Education on February 17, 1977, are available in the Veterans Affairs Office. Each Veteran should see the Veterans Representative regarding these policies.

Any exceptions to the regulations above must receive written approval from the Vice President for Academic Affairs.

Special Policies for Financial Aid Recipients

Special policies and regulations governing financial aid recipients are filed in the Financial Aid Office, the Business Office and the Office of the Vice President for Student Services.

Degree Requirements

Catalog Time Limit

A candidate for a degree may use, as a basis for degree requirements, the general catalog issued for any year following the date of the candidate's first registration at MSSC provided it is not more than six years prior to the date the degree is to be conferred. The candidate must have been in residence at MSSC during the year of the catalog selected.

Transfer Student: The MSSC catalog in effect at the time of the transfer student's initial enrollment in the sending institution (transfer school), will govern the transfer student's degree requirements. The catalog used may not be dated more than six years prior to the date the degree is to be conferred. The transfer student must have been enrolled in a previous school during the year of the catalog selected.

Developmental Courses

Occasionally, scores obtained from the placement tests indicate a student may not be successful in college. The college reserves the right to require these students to take precollege courses in mathematics, composition, study skills or intensive English prior to participation in regular college classes.

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Course Numbers and Levels

Course Numbers:

0-99 Not applicable toward the baccalaureate degree

100-199 Primarily for freshmen

200-299 Primarily for sophomores

300-399 Primarily for juniors

400-499 Primarily for seniors

Normally, courses numbered 100-299 are considered lower division level courses and those numbered 300-499 are upper division level courses. There are more significant distinctions between the lower and upper division courses than within the levels of the lower and upper division courses.

Freshmen are not allowed to take any course above the 200 level unless qualified by advanced placement tests. The exception is infrequent.

All courses offered are listed in the catalog. Immediately following each course title is a letter abbreviation of the semester in which the course is usually offered. Students and faculty should use this as a guide in considering future enrollment. However, this should not be interpreted as a contract. Missouri Southern reserves the right to deviate from this commitment when enrollment or other factors dictate.

The student should check the catalog description of the course to see whether the second semester of a sequence course makes the first semester a prerequisite.

Baccalaureate Degree Requirements

- A. Residence: The following minimum requirements must be met in residence at Missouri Southern: (1) 30 of the last 36 hours counted toward the degree; (2) one-half of the courses both required for the major and in the major department. Courses required for the major but not offered in the major department are not included; (3) one-half of the upper division courses both required for the major and in the major department.
- B. Credit Hours: At least 124* semester hours of college credit applicable to a baccalaureate degree are required for graduation. (128 hrs. prior to the year 2003)

*Effective for the Class graduating May 2003.

- C. Grade Point Average (GPA): The following minimum GPAs are required for all baccalaureate degrees except the B.S.E.:
 - 1. a 2.0 GPA for all credit hours attempted;
 - a 2.0 GPA for all the courses required for the major, both inside and outside the major department;

a 2.0 GPA for all courses, both required and elective, taken in the major department.

The following minimum GPAs are required for the B.S.E.:

- 1. a 2.75 GPA for all credit hours attempted;
- 2. a 2.50 GPA for all the courses required for the major, both inside and outside the major department;
- 3. a 2.50 GPA for all courses, both required and elective, taken in the major department;
- a grade of C or better in professional education courses and courses required for elementary education, special education and early childhood.
- D. Upper Division Hours: A minimum of 40 semester hours in upper division courses (those with numbers in the 300's and 400's) must be completed to meet the graduation requirements. Reasonable adjustments are made for three-one affiliation programs.
- E. Writing Intensive: Five writing intensive courses will be required of all baccalaureate degree candidates. Six hours must be completed in the freshman year and two of the three remaining courses must be taken at the junior and/or senior level. One upper division course must be taken in the student's major. (Writing Intensive courses may be identified in the "schedule of classes" by a "WI" placed at the end of the course number. Example: Psy 481 Senior Thesis WI.) Students transferring to Missouri Southern from another college will fulfill the Writing Intensive requirement as follows:

Total hours at time of transfer to Missouri Southern:

Minimum Writing Intensive courses required:

Fewer than 30 hours

Five courses as outlined above

30 to 89 hours

Four courses, with at least two at the junior/senior level, one of which must be in the major

90 hours or more

Three courses, one must be in the major and at the junior/senior level

F. Foreign Language: All students expecting to graduate with a bachelor of arts degree must successfully complete 12 hours of the same foreign language as a part of the graduation requirements.

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- G. Special Education: All students expecting to graduate with a bachelor of science in education degree must successfully complete two hours of Special Education (Educ 302) as a part of graduation requirements.
- H. Computer Literacy: All students will receive computer instruction to a level of understanding necessary for them to function as a member of society and to a level of skill sufficient to use the computer for problem solving within their discipline. Department heads will certify the competency of the students in their disciplines.
- Assessment: All degree candidates are required to participate in College assessment of outcomes activities.
- J. Core Curriculum Requirements: Missouri Southern has a Core Curriculum program that contributes toward the development of the whole person, as an individual and as a member of society. All degree candidates must satisfy the following Core Curriculum requirements:

Baccalaureate Degree Core Requirements

		Orcall Hours
Area 1.	Basic Requirements	Required
A. En	glish Composition	6
	shman Year (Eng 101 and 102 OR	
	nievement in the required	
	npetency level can be done	
	Eng 111 in 3 hours)	
	mmunication	3
Co	mm 100 Oral Communication	
C. Ma	thematics (120 or above)**	3
	Total for Area 1	12 Hours
Area 2.	Humanities and Fine Arts	
	lect One	3

A.	Select One		3
	Art 110 Art Appreciation	(3)	
	Mus 110 Music Appreciation	(3)	
	Th 110 Theatre Appreciation	(3)	
B.	Select One		3
	Eng 261, 262 World Literature	(3)	
	Eng 271, 272 British Literature	(3)	
	Eng 281, 282 American Literature	(3)	
C.	Select One		3
	Eng 150 Introduction to Literature	(3)	
	Eng 305 Short Story	(3)	
	Eng 261, 262 World Literature	(3)	
	Eng 271, 272 British Literature	(3)	
	Eng 281, 282 American Literature	(3)	
	Phil 201 Introduction to Philosophy	(3)	
	Phil 212 Ethics	(3)	
	Art 110 Art Appreciation	(3)	
	Mus 110 Music Appreciation	(3)	
	Th 110 Theatre Appreciation	(3)	

Total for Area 2

9 Hours

A.	Bio 101	General Biology**	4
B.	Phy 100	Fundamentals of Physical Sc	ience** 5
C.	Select on	e	3
	Psy 100	General Psychology	(3)
	Soc 110	Sociology	(3)
		Total for Area	a 3 12 Hours
Are	ea 4. Ame	rican Cultural Studies	
A.	Hist 110 AND	U.S. History 1492-1877	3
	Hist 120 OR	U.S. History 1877-Present	
	Hist 320	U.S. History 1877-Present	3
B.	PSc 120	Gov't: U.S., State, Local	3
		Total for Area	9 Hours
			42 Hours

Are	a 5. MSSC	Special Emphasis		
A.	Internation	nal Cultural Studies		3
	Select On	e:		
	Anth 155	Physical Anthropology		
		and Archeology	(3)	
	Anth 342	Comparative Cultures	(3)	
	CJAd 301	International Justice		

	Systems	(3)	
Comm 305	Intercultural Communication	(3)	
Eng 385	Continental Novel	(3)	
Foreign La	inguage	(3)	
Geog 211	Regions and Nations	(3)	
Geog 310	Human & Cultural Geog	(3)	
Hist 130 or	r 140 Western Civ	(3)	
Hist 150	Asian Civilizations	(3)	
IB 310	International Business	(3)	
IntS 201	Introduction to		
	International Studies	(3)	
Phil 320	Comparative Religion	(3)	
Soc 303	The Arab World	(3)	

B. Health and Wellness

Kine 103 Lifetime Wellness** (2)
Kine 101 Physical Activity*** (1)

C. Economics
Econ 180 American Economic System (3)
(Majors and minors in business should take Econ 201)

3

Total for Area 5 9 Hours

Total Core Curriculum Requirements51 Hours
*Areas 1 - 4 of the Core Curriculum constitute the 42 semester hour

block that meets the State of Missouri General Education goals.
This block should be considered equivalent to corresponding 42 semester hour blocks of credit at other public and signatory institutions in Missouri.

**See degree requirements listed in the Catalog for courses that are substituted for specific majors.

***A student with a *documented* disability who feels that he/she cannot fulfill this requirement should see Melissa Locher, Coordinator of Disability Services, at the Learning Center (417.625.9373).

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298-398-498 Classes

Classes numbered 298, 398 or 498 may not be counted toward Core Curriculum credit.

Major or Area of Interest

All students will be required to declare their degree sought, their major (or area of interest), their status (regular or other) and whether they will attend half-time or full-time. A major provides in-depth study of a discipline and prepares the student for a career or advanced study.

Academic Minor

Selected departments have developed an academic minor that in conjunction with the major strengthens the student's vocational preparation. A minor requires at least 18 semester hours of prescribed courses. At least six semester hours must be upper division and at least nine semester hours must be in residence. The overall GPA requirement is 2.0.

A Bachelor of General Studies (B.G.S.) Degree

The B.G.S. degree is a viable alternative for a few individuals who may wish thorough preparation for a career in a specific field, that does not correspond to an existing major. To pursue this option the student should consult with the Registrar regarding the degree.

Associate Degree Requirements

Associate of Arts Degree

- A. **Residence**: The last 15 semester hours must be completed in residence at Missouri Southern.
- B. Credit Hours: A minimum of 64 semester hours must be completed.
- C. Grade Point Average: Minimum cumulative and major field grade point average must be 2.0.
- D. Major Field: The student must meet the course requirements of the particular preprofessional program selected. Or, the degree may consist of the general education courses plus additional hours, adding up to 64, as approved by the adviser.
- E. Core Curriculum Requirements: The degree requires completion of the following Core Curriculum requirements:

		Credit Hours
Are	a 1. Basic Requirements*	Required
A.	English Compositions	6
	Freshman year (Eng 101 and Eng 102	
	OR achievement in the required	
	competency level can be done	
	in Eng 111 in 3 hours)	
B.	Communication	3
	Comm 100 Oral Communication**	
C.	Mathematics (120 or above)**	3
	Total for Area	1 12 Hour

3

Area 2. Humanities and Fine Arts*

A.	Fine Arts	Select One	
	Art 110	Art Appreciation	(3)
	Mus 110	Music Appreciation	(3)

	Th 110	Theatre Appreciation	(3)	
B.	0110			3
	Eng 261, 2	62 World Literature	(3)	
	Eng 271, 2	72 English Literature	(3)	
	Eng 281, 2	282 American Literature	(3)	
C.	Humanities	s Elective Select	One	3
	Eng 150	Introduction to Literature	(3)	
	Eng 305	Short Story	(3)	
	Eng 261, 2	(3)		
	Eng 271, 2	(3)		
	Eng 281, 2	(3)		
	Phil 201	Introduction to Philosophy	(3)	
	Phil 212	Ethics	(3)	
	Art 110	Art Appreciation	(3)	
	Mus 110	Music Appreciation	(3)	
	Th 110	Theatre Appreciation	(3)	
	Total for Area 2		rea 2	9 Hours

Area 3. Natural Sciences and Behavioral Sciences*

MIC	a J. Hatura	il ociences and benavio	nai ocicioco	
A.	Bio 101	General Biology**		4
B.	Phys 100	Fundamentals of Physics	al Science**	5
C.	Behavioral	Sciences Selec	ct One	3
	Psy 100	General Psychology	(3)	
	Soc 110	Introduction to Sociology	(3)	
	Total for Area 3		12 Hours	

Area 4. Ameri	can Cultural Studies*		
A. U.S. Histor	6		
Hist 110 AND	U.S. History 1492-1877	(3)	
Hist 120	U.S. History 1877-Present	(3)	
B. Governme	3. Government		
Psc 120	Gov't: U.S., State, Local	(3)	
	Total for Area 4		9 Hours

Total Core Curriculum Hours*Occasionally, selected courses may be substituted for this area.

**See degree requirements listed in the Catalog for courses that are substituted for specific majors.

***Areas 1-4 of the Core Curriculum constitute the 42 semesterhour block that meets the state of Missouri general education goals. This block should be considered equivalent to corresponding blocks of credit at other public and signatory institutions of Missouri.

Associate of Science Degree

- A. **Residence:** The last 15 semester hours must be completed in residence at Missouri Southern.
- B. Credit Hours: A minimum of 64 hours must be completed.
- C. Grade Point Average: The minimum cumulative and major field grade point average must be 2.0.
- D. Major Field: The student must meet the course requirements in the particular program of study as approved by an adviser.
- E. Core Curriculum Requirements: The degree requires completion of the Core Curriculum courses as well as those outlined in the student's major field of study. The Core Curriculum required courses are:

Area 1. Basic Requirements* Credit Hours
Required

Eng 101	English Composition		3
Comm 100	Oral Communication**		3
Math 30	(or above)**		3
Health and	Wellness		3
Kine 103	Lifetime Wellness (2)		
Kine 101	Physical Activity (1)		
	Total for Ar	ea 1	12 Hours
ea 2. Humar	nities and Fine Arts*		
Fine Arts	Select One		3
Art 110	Art Appreciation	(3)	
Mus 110	Music Appreciation	(3)	
Th 110	Theatre Appreciation	(3)	
Any Literatu	ure Course except 325	(3)	
Phil 201	Introduction to Philosophy	(3)	
Phil 212	Ethics	(3)	
	Total for Are	ea 2	3 Hours
	Comm 100 Math 30 Health and Kine 103 Kine 101 ea 2. Humar Fine Arts Art 110 Mus 110 Th 110 Any Literatu Phil 201	Health and Wellness Kine 103 Lifetime Wellness (2) Kine 101 Physical Activity (1) Total for Ar ea 2. Humanities and Fine Arts* Fine Arts Select One Art 110 Art Appreciation Mus 110 Music Appreciation Th 110 Theatre Appreciation Any Literature Course except 325 Phil 201 Introduction to Philosophy Phil 212 Ethics	Comm 100 Oral Communication** Math 30 (or above)** Health and Wellness Kine 103 Lifetime Wellness (2) Kine 101 Physical Activity (1) Total for Area 1 Page 2. Humanities and Fine Arts* Fine Arts Select One Art 110 Art Appreciation (3) Mus 110 Music Appreciation (3) Th 110 Theatre Appreciation (3) Any Literature Course except 325 (3) Phil 201 Introduction to Philosophy (3)

Area 3. Natural Science*

	Total for Area 3	4-5 Hours
Phys 100	Fundamentals of Physical Science**	5
Bio 101	General Biology**	4
Select One		

Area 4. Social and Behavioral Sciences*

A.	Hist 110 or	Hist 120 United States History	ory	3
B.	***Missour	i Constitution Requirement		
C.	Select One	9:		3
	Psy 100	General Psychology	(3)	
	Soc 110	Introduction to Sociology	(3)	
	Econ 180	American Economic System**	(3)	
		Total for Are	a 4	6 Hours
To	tal Core Cur	riculum Requirements		25-26 Hours

*Occasionally, selected courses may be substituted for this area.

**See degree requirements listed in the Catalog for courses that are substituted for specific majors.

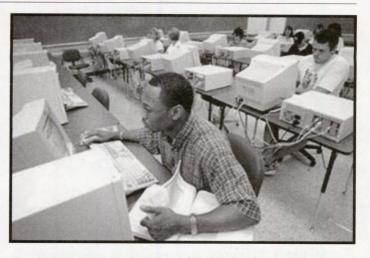
***This requirement may be satisfied with credit from a Missouri public college, or PSc 120 Government: U.S., State & Local or by an examination. Examination information is available from the Dean of Arts and Sciences.

Core Curriculum courses required for the associate of science degree typically do not completely fulfill the Core Curriculum requirements for the baccalaureate degree.

When the curriculum requirement for an associate of science degree specifies a different course in the discipline than those listed above, the specified course may meet the Core Curriculum requirements for that degree.

Graduation

A. Graduation Requirements: The responsibility for satisfying all requirements for a degree rests with the student. Advisers, faculty members and administrators offer help to the student in meeting this responsibility.



- B. **Time of Graduation:** A student may complete graduation requirements at the close of any semester. Formal commencement exercises are held and degrees are conferred at the close of the fall and spring semesters. Students who will complete graduation requirements at the close of summer semester may participate in spring commencement exercises.
- Placement Services: Each degree candidate must register in the Office of Career Services.
- D. Degree Candidacy Application: Each student must make application for degree candidacy during the semester preceding the last semester in attendance. The application process is initiated at the Office of Career Services.
- E. Senior Assessment: All graduating seniors are required to complete a Core Curriculum and a departmental exit assessment before the baccalaureate degree is awarded. Effective: July 1, 1988.

State Legislation Requirements

Section 170.011 of the Revised Statutes of Missouri, 1989, prescribe that all candidates for a degree issued by the colleges and universities of Missouri must have "satisfactorily passed an examination of the provisions and principles of the Constitution of the United States and of the State of Missouri, and in American History, and in American Institutions".

All students who have completed the Core Curriculum requirements at Missouri Southern meet the requirements of Missouri law.

Out-of-state transfer and post-graduate students who do not complete their core curriculum at Missouri Southern may comply with the law by:

(1) completing courses at MSSC embracing the subject matter specified by the law and receiving credit therein, preferably before admission to senior college work; or

(2) certification of the completion of such requirements in another collegiate institution and passing a special examination on the Missouri Constitution.

School Laws of Missouri, 1974, require that persons cannot be granted a certificate or license to teach in the public schools of Missouri unless they have satisfactorily completed a course of two or more semester hours in the psychology or education of the exceptional child. This requirement can be met by taking Psy 302 or Educ 302.

Grades and Grading Policies

Grading System

A student's grade is officially recorded by letter. At Missouri Southern, the following grades and their numerical equivalents are used:

Grade		Grade Points
Α	Outstanding	4
В	Above Average	3
C	Average	2
D	Minimum Passing	1
F	Failing	0
W	Withdrawal	

The current policy for the "W" grade is as follows:

- (a) Course withdrawals will be permitted through the first week of the semester without any grade recorded.
- (b) Course withdrawal during the second through the ninth week of the semester will be indicated by a "W" posted to the record.
- (c) Course withdrawals are not permitted after the ninth week of the regular semester (or its equivalent). A student who stops attending class without officially withdrawing is in jeopardy of receiving an "F" in the course.
- (d) A student who completely withdraws from College prior to the last week of classes in a semester may receive a grade of "W" in all courses in which the student is enrolled.

Credit/No-Credit System of Grading

Students in some programs may register to take certain courses on a credit/no-credit basis. In such cases, "Credit" or "No-Credit" will be recorded rather than a letter grade and these courses will not be counted in grade point averages. This program will permit a student to explore course work outside of

the major without jeopardizing the grade point average. The minimum performance level required to receive credit in a credit/no-credit course is a grade of "D". Students may be eligible to enroll for certain courses on a credit/no-credit basis under the following conditions:

- 1. That such registration be approved by the adviser and the head of the department through which the course is offered.
- 2. That the student has attained sophomore rank, or higher (30 or more hours).
- 3. That the student has achieved a cumulative grade point average of at least 2.0.
- That such enrollment be limited to one course per semester.
- 5. That the total enrollment on a credit/no-credit basis be limited to no more than three courses or 10 credit hours in any student's degree program.
- 6. That the courses involved are not part of the student's major or minor and are not specifically required as part of the student's degree program. (Hours beyond the minimum required for the major or minor may be taken on a credit/no-credit basis.)
- That the courses involved are not part of the Core Curriculum requirement.
- 8. Normally, registration for credit/no-credit courses will be completed prior to the final date for changing registration by adding a course.
- 9. After a student has enrolled in a course under the credit/no-credit option, that individual may not subsequently change to a graded basis in that course.

This policy does not apply to those courses regularly designated as credit/no-credit courses. Such courses are Mus 240 Recital Attendance, Educ 462 Student Teaching.



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Incomplete (I): A grade of "I" may be reported if a student is unable to complete the work of the course within the semester for a valid reason such as illness, death in the family, an emergency, etc. It is not intended as a substitute for an "F" and does not entitle a student to attend the class during a subsequent semester. An incomplete must be made up by the end of the next semester (excluding summers) or it will be converted to an "F" automatically. Both credit and grade points for that course are suspended until the incomplete is converted to either a passing grade or an "F". A student may not graduate with an incomplete grade.

Audit (AU): A student may audit a class for no grade and no credit. Acceptable performance, attitude and attendance as determined by the professor are expected. Regular fees and enrollment procedures are required. A student may not change enrollment from audit to credit nor from credit to audit. An audit means only that a student registered for the course. It does not imply any level of proficiency or knowledge.

Change of Grade: A change is initiated by the faculty member by filing a Change of Grade form with the Registrar. No change of grade is to be made without good cause. Exceptional cases will be reviewed by the school dean and Vice President for Academic Affairs.

Independent Study: Independent study courses are special courses which may be taken by outstanding students at the discretion of the faculty adviser and the appropriate college officials. Students may enroll in independent study courses for a total of three hours on the associate degree and a total of six hours on the baccalaureate degree providing they:

1. have completed 30 hours toward the Associate Degree 90 hours toward the Baccalaureate Degree 2. have a minimum cumulative 3.00 GPA;

3. have permission of the adviser, department head and the school dean in the area of independent study.

Independent study is designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Substituting independent study for a regular course is seldom done.

Posting of Grades: College legal counsel advises that the public posting of a student's name and grade, or student number and grade, without the student's approval, is a violation of the Buckley Amendment (Family Education Rights and Privacy Act of 1974) which does not allow disclosure of recorded data or information without the individual's written consent.

Official Transcript: An official transcript of the student's academic record bears the Registrar's signature and the College seal. Missouri Southern assumes no responsibility for the accuracy of a transcript after it leaves the Registrar's Office.

Up to two weeks must be allowed after the close of a semester for the issuance of an up-to-date transcript. The transcript request must be made in writing. No transcript will be issued unless all bills at Missouri Southern are paid or are current according to agreement with the Business Office.

General Regulations

Classification of Students

A. By Class

Freshman: 0-29 Hours Sophomore: 30-59 Hours Junior: 60-89 Hours Senior: 90 and above

Special Admission: See page 44.

B. Postgraduate:

Persons having completed a baccalaureate degree but taking courses for the purpose of teacher certification, job preparation and additional degree or personal profit.

C. Full-time:

A student enrolled for 12 or more semester hours.

D. Half-time:

A student enrolled in 6-11 semester hours.

E. Less Than Half-time:

A student enrolled in fewer than 6 semester hours.

Concurrent Enrollment

A student who is enrolled in residence at Missouri Southern and who desires to earn credit concurrently at another institution or through correspondence, extension, or advanced standing examination must secure advanced approval from a School Dean.

Combined Degree Programs

Missouri Southern State College has established combined degree programs for Environmental Health and for Medical Technology. Specific requirements for these programs are included in the program descriptions. Combined degree programs operate under the following regulations:

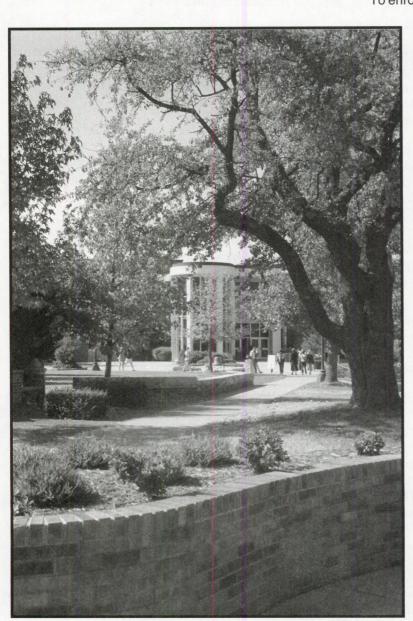
- 1. Complete 94 hours at Missouri Southern State College. Transfer credit will be considered, but the last 30 of the 94 hours must be earned at MSSC.
- 2. The 94 hours must include the completion of the Core Curriculum requirement.
- 3. Sixteen out of the last 94 hours must be upper division (300 and 400 level courses).
- 4. All applicable "Requirements for Graduation" as stated in the Missouri Southern State College catalog must be

met including the application for degree candidacy, and the filing of credentials with the Career Services Office.

 A transcript from the institution with which a combined degree agreement is arranged must be provided in order to complete the requirements for a degree.

Co-Admission

Students who enroll at Crowder College but meet the admission requirements of Missouri Southern and plan to transfer to Missouri Southern may apply for Co-Admission. The application will be done by the Crowder College Admission Office. Records for co-admitted students will be maintained at both institutions. Missouri Southern will assist in the academic advising of co-admitted students prior to transfer to Missouri Southern.



Second Baccalaureate Degree

A student may receive a second baccalaureate degree after completing the first degree and all the requirements of the second degree. A student may not earn the same degree more than once, even though the majors differ. The residency rules apply. See item A under Baccalaureate Degree requirements, page 33.

Transcript Below "C" Average

Students who are accepted with a below "C" transcript and who are below the minimum standards for progress will be placed on Academic Probation. Missouri Southern accepts all grades from any equally accredited institution including both "D's" and "F's".

Maximum Credit Hour Load

To enroll in more than 18 semester hours during a semester or in more than nine hours during a summer session, a student, with the exception of music majors, must obtain prior written permission from the school dean. Music majors may carry as many as 20 semester hours without permission from their dean.

Late Enrollment

Enrollment in a regular semester after the first week of classes or after the third day of classes in the summer session is not advisable and is permitted only with special permission from the appropriate department head. Any student enrolling after classes begin will pay a late enrollment fee.

Adding Courses

A student may add a course in the appropriate department office, but only upon the approval of an adviser. A fee will be charged each time a student changes the program not at the request of the College. No course may be added after the first week of classes in a regular semester or after the third day of classes in the summer session without special permission.

NON-ATTENDANCE DOES NOT CONSTITUTE A WITHDRAWAL FROM CLASSES.

Withdrawal from a Single Class

A student may initiate the withdrawal from a course in the Registrar's Office. Deadlines cited in the College Schedule of Classes apply.

Withdrawal from All Clases

A student who wishes to completely withdraw will initiate withdrawal in the Financial Aid Office (114 Hearnes Hall). A student who completely withdraws

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from the college prior to the last week of classes in a regular or summer semester may receive a grade of "W" in all courses in which the student is enrolled. Withdrawal from the College after the last week of classes in a regular or summer semester will result in a grade of "F" being recorded for all courses, unless other arrangements are made through the Office of the Registrar. A student who leaves school without officially withdrawing shall receive grades of "F" in all courses.

Class Attendance

Faculty members keep records of attendance in all regularly scheduled courses at Missouri Southern. The primary objective of student and professor is the student's attainment of course goals. It is recognized that students who achieve those objectives are normally those who attend class regularly. The professor, when giving a final semester grade, bases his/her evaluation on how well the student has achieved the course goals.

For financial aid purposes, if a student misses any class for ten (10) consecutive working days, the faculty member will report this in writing to the Office of the Registrar.

Students who miss a class do so at their own risk and must assume the responsibility for work missed because of class absences. Professors are willing to assist students whose absences are caused by valid illnesses, College approved activities, and extenuating circumstances. The professor may require whatever evidence is needed to support the reason for absence.

The attendance record is significant to the total record and is useful in guidance and counseling. When absences are excessive, the professor will report the fact to Student Services and they will in turn counsel with the student. The total number of student absences in a class will be reported to the Registrar's Office along with the final grade at the end of the semester.

Students should be aware that absence from class invariably has a built-in penalty of lower academic achievement. Excessive absences usually result in failure to achieve the course goals.

Credit Options

Placement, Examinations, Credits
Resident Credits from Institutions of Equal
Standing with Missouri Southern State College

Credits transferred from accredited colleges and universities will be given full value in similar courses whenever possible. The amount of credit given for courses studied in other institutions may not exceed the amount given at Missouri

Southern for the same length of time of instruction. Students may not transfer credits to satisfy more than one half of the major course requirements in a department unless the approval of the Vice President for Academic Affairs is obtained.

Advanced Standing Examination

A student whose travel, employment, extensive readings or other unique educational experiences appear to have provided proficiency in a course required in the curriculum equivalent to that ordinarily attained by those taking the course in regular classes, may be granted permission to take an advanced standing examination. This examination may be a subject matter test of the College Level Examination Program (CLEP) or a comprehensive test designed by the department to cover the subject more fully than a regular final examination. In order to receive credit for a departmental examination, a student must have the following qualifications in addition to those listed above:

- (a) be enrolled in college at the time of the examination;
- (b) not have taken an examination over the course within the preceding six months;
- (c) not have credit in a more advanced course in the same field;
- (d) be working toward a degree at Missouri Southern State College;
- (e) have the approval of the head of the department in which the course is offered:
- (f) not use examination to replace a previously earned grade.

After a student has taken a departmental examination, the professor will transmit the grade to the Vice President for Academic Affairs Office. If performance is equated as a "C" grade or above, the Registrar will record the credit.

International Baccalaureate

Missouri Southern will grant up to 30 semester hours or the equivalent of one full year of college study, to those who have completed study in the International Baccalaureate curriculum in high school. Missouri Southern will grant college credit and advanced placement for International Baccalaureate courses completed at the higher level with a score of four or greater. Students with such backgrounds should contact the Admission Office for a detailed analysis of credits and standing.

Advanced Placement Test (AP)

Missouri Southern participates in the Advanced Placement Program sponsored by the College Entrance Examination Board. Credits are granted for course areas in which a student has completed Advanced Placement Examinations with a score of 3, 4 or 5.

Correspondence Course Credit

Missouri Southern accepts credit earned by correspondence from regionally accredited institutions. No student will be permitted to apply more than 12 hours of course work in correspondence toward his/her degree.

Course Credit for Military Service and Schooling

Military Service students who have completed a minimum of one year of active military service may be granted credit to meet the Kine 101 and Kine 103 requirements of the Core Curriculum. Thus, these requirements will be satisfied if the DD214 form is submitted to the Missouri Southern Registrar's Office. Credit may also be granted for specific military schooling as recommended by the American Council of Education. The credit granted will be based on applicability and will carry the grade of "CR". The veteran must present documentation designating the military course, date and site of the course.

Validation Examinations

If Missouri Southern refuses to accept a student's earned credit in a course because of the method in which the course was taken or because the institution at which the course was taken was not accredited, the student may apply for a validation examination. In order to qualify for a validation examination a student must: (a) be enrolled at Missouri Southern State College at the time the examination is taken; (b) present the necessary evidence to prove that the course was taken; (c) get approval from the Registrar, the school dean and the head of the department in which the course is offered; and (d) initiate the proceedings within the first eight weeks after entering college.

The student initiates the request for examination at the Registrar's Office. The school dean and the department head will appoint a professor to construct, administer and evaluate the examination. The result is reported to the Registrar who records the grade if it is "C" or above.

The Honors Program

Patricia P. Kluthe, Director Webster Hall 118, 417.625.3005

The Honors Program at Missouri Southern State College is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students.

Because admission is selective and competitive, classes normally are smaller than regular classes, permitting Honors

students to enjoy interaction with other outstanding students in an informal atmosphere conducive to exciting and challenging discussions.

Honors courses put our best students in small classes with our best teachers - right from freshman year on. Distinguished professors and Honors students have opportunities to expand the educational experience beyond that available in regular courses. Students receive personal attention and special guidance, and the program is flexible to permit them to pursue particular scholarly interests and to engage in innovative and creative approaches to learning.

Expectations for performance in the program are high. As an Honors student, one is expected to strive for grades against these standards; one is not, however, expected to compete with others for grades. Through this program, the challenge to perform at the top of one's ability is matched by the opportunity to do so in an environment that is simultaneously fun, exciting and intellectually demanding.

The Curriculum

While students will take courses offered in Southern's regular curriculum, these five features are specifically designed for Honors students:

Honors Forum

This course is an open forum to discuss a variety of topics, issues and other matters of interest. The objective of the course is to develop in the honors scholar self, cognitive, and cultural awareness. Active learning and service learning are nurtured as students select, design and implement topic presentations.

Service Learning

By engaging the Honors students as volunteers in unfamiliar institutions which are oriented toward public service, this experience is designed to lead the students through a critical analysis of the organization's culture and dominant paradigms of thought encountered during the time of service.

Core Curriculum Courses

Special sections of required courses such as English composition are designated as Honors sections. There are a number of such courses to select from each semester, and most Honors students take their choices of these during their freshman and sophomore years.

Junior Honors Courses

This experience is designed for scholars in the last two years of their curricula, and is aligned with the international mission of Missouri Southern. Each honors scholar is expected to have an international study experience during their tenure at Southern, and with the guidance of the honors directors will be led through a reflective analysis of that study, again emphasizing self, cognitive and cultural awareness.

Senior Honors Thesis

Students take at least one Honors course in their major during the senior year. Working under professors in their major field, they design and carry out independent projects investigating in-depth topics and utilizing original research methods. Each student makes a presentation of their research to an Honors Colloquium open to a campus-wide audience. The presentation is required of each student for completion of the Honors Program.

Honors Recognition

Missouri Southern is affiliated with the National Collegiate Honors Council, The Great Plains Regional Honors Council, and Phi Eta Sigma and Alpha Chi, national honor societies. Most Honors students have the opportunity to participate in the

activities of these organizations and to attend regional and national conferences.

Every Honors course completed with a final grade of A or B is identified as an Honors course on one's transcript. If one maintains a cumulative grade point average of at least 3.5 and completes 26 hours of Honors courses, one will receive special recognition at graduation.

Oxford and Cambridge Program

To live and study at historic Christ Church College of Oxford University or at equally-renowned Cambridge University is perhaps the experience of a lifetime. Southern offers an elective summer study program in England at Oxford or Cambridge, two of the world's foremost universities. Students participate in small seminar groups led by university tutors and live in an atmosphere of university life as it has survived over the past 700 years.

A select group of students have the opportunity to participate in either program based on their advanced academic standing for hours accumulated and grade point average. Selected students choose courses offered in sessions on various subjects. Southern grants partial scholarships to students each year. Honors Program students are given priority consideration in the selection process.

There is also time for students to enjoy the rich heritage of England through formal tours and individual excursions. A great opportunity awaits those selected to be members of this distinguished community of scholars and participants in the Oxford or Cambridge experience.



The Evans Scholarship

In competing for admission to the Honors Program, students also are competing for the Walter and Fredrica Evans Scholarship, which will be awarded as funds allow to the most highly qualified applicants. The Evans is a four-year renewable scholarship that covers tuition, book rental fees and student activity fees, for fall and spring semesters. Additional scholarship funds to cover on-campus room and board are available for Evans Scholars who are National Merit Scholarship semifinalists or who have an ACT composite score of 31 or better. This is the finest scholarship Southern offers.

Eligibility

All students who wish to participate in the Honors Program must be admitted to Southern. Incoming freshmen with at least a composite score on the ACT of 28 or with at least a grade point average of 3.5 (on a 4.0 scale) in high school course work are invited to apply for admission to the program. To complete the application process the student must submit an application form, a transcript, two letters of recommendation mentioning the student's strengths as a scholar, and an interview with one of the directors. An essay may also be required.

Students who have already completed between 15 and 30 hours of course work with a grade point average of 3.5 at Southern or any other accredited college or university are also invited to apply for admission into the program, though they are not eligible for the Evans Scholarship.

The Honors Program will offer special admission to Missouri's associate degree graduates who hold the CBHE Bright Flight Scholarship. Those with at least a 3.5 GPA will be

eligible for a scholarship that covers the full cost of tuition, room and board, activities, fees and textbook rental. Those with a 3.0 GPA will be eligible for a scholarship equivalent to our Regent's Scholarship.

Students generally will not be admitted to the Honors Program after they have earned 30 credit hours. However, if such a student presents a plan to take the 26 honors hours required to complete the program, that student will be considered by the Honors Committee on an individual basis.

Enrollment Services

Admissions

Derek Skaggs, Director of Enrollment Services Hearnes Hall 109, 417.782.6772

Staff: Kristy Adams, Brenda Blalock, Clay Deem, Tina Fitzpatrick, Cameo Harrington, Mark Lloyd

Admission decisions are based on current admission policies established by the Board of Regents and are made in accordance with the recommendations of the Coordinating Board for Higher Education. Students are encouraged to apply for admission early. Applications are available through the Admission Office, the Admission web site (www.mssc.edu/admission) and most high schools and community colleges. Admission requirements are subject to change without notice. Missouri Southern State College encourages students from private, home schooling and non-accredited high schools to contact the Admission Office for details on how to be accepted into Missouri Southern.

Credentials Required for Freshman Admission Regular Admission

- (1) **High School Transcript:** An official transcript of high school credits must be filed showing that requirements for graduation have been met. A 6th, 7th or 8th semester rank in class must appear on the record. (The College will accept a satisfactory score on the General Educational Development (GED) test in lieu of a high school transcript.)
- (2) Placement Test: Missouri Southern participates in the American College Testing Program (ACT). Scores from the enhanced battery must be presented as an admission credential. These tests are administered at nationally approved test centers five times a year. Missouri Southern is a test center. Students over the age of 21 applying as first time freshman are not required to submit an ACT score. However, placement

tests in English and Math may be required for placement in the appropriate classes. Either ACT or SAT scores are acceptable.

- (3) Application: Missouri Southern admits students on a rolling basis. Students are encouraged to apply early. The application for admission must be submitted to the Admission Office one week before the first day of enrollment (see College calendar on page 14). This includes all credentials required by the Admission Office.
- (4) Application Fee: A fee of \$15 must be included with the application for admission. (This fee is non-refundable and non-applicable to other college fees.)
- (5) Miscellaneous Requirements: Additional credentials maybe required from students whose application credentials raise questions about their acceptability into the student body. While the College makes every effort to give each applicant an opportunity for a college education, it reserves the right to deny admission when the College's ability to meet the need of the student and/or the welfare of the student body is in question. Students who do not attend Missouri Southern within one year after making application must submit new credentials when seeking admission.

High School Core Curriculum Requirement

The College strongly encourages high school students to follow the core curriculum requirements outlined by the Missouri Coordinating Board for Higher Education. The core includes:

- **English, 4 units.** Two units emphasizing composition or writing skills are required. One unit may be speech or debate.
- Mathematics, 3 units. The units must include Algebra I, Algebra II and Geometry. A fourth higher level mathematics course is strongly recommended.
- **Social Studies, 3 units.** Courses should include United States history and courses selected from world history, government, geography and economics.
- **Science**, **2 units**. General Science does not count. One unit must include a laboratory. Biology, physics and chemistry are strongly recommended.
- Visual/Performing Arts, 1 unit. Fine Arts courses include such areas as visual arts, music, dance or theatre.
- **Electives**, **3 units**. These may be selected from world geography, higher level mathematics, additional science, foreign languages (if a language is chosen as an

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elective, the college recommends 2 units of the same language), advanced placement courses or a combination of the core courses listed above.

Admission requirements are subject to change without notice.

Admission Review Committee

Individuals who do not meet the College's admission criteria may request a review of their application. The committee may make one of four decisions: grant regular admission, admit conditionally, deny admission or admit as a special non-degree seeking student.

Students With Previous College Experience

Former MSSC Students: Former Missouri Southern State College, Jasper County Junior College and Joplin Junior College students must inform the Office of Admission of their intention to return. Students will be required to update their credentials.

Transfer Students: (Students who are enrolling at MSSC for the first time) Transfer students who have completed the State of Missouri General Education Core Curriculum (42 semester hours) prior to enrolling at MSSC, are assumed to have met Areas 1 through 4 of the MSSC Core Curriculum requirements. Transfer students must additionally meet requirements for Area 5 of the MSSC Core Curriculum.

Transfer students who have not completed the above General Education Core Curriculum will have their courses evaluated on a course-by-course basis. Credits from an accredited two-year college will be accepted to meet lower division (100-200 level) requirements only. A maximum of 64 semester hours earned at a two-year college may be applied toward a baccalaureate degree.

The following credentials must be submitted to the Admission Office:

- official transcripts from <u>all</u> previously attended institutions, sent directly to the Admission Office;
- 2. eligiblity to return to last institution attended;
- 3. payment of the \$15 non-refundable application fee; and
- 4. ACT scores submitted, if mathematics has not been completed or a degree in education is sought.

Transfer students who have been awarded a Baccalaureate degree from a regionally accredited U.S. college or an accepted foreign equivalent, prior to enrolling at MSSC, are assumed to have fulfilled all lower division Core Curriculum requirements. All transfer and post graduate students must also fulfill the State Legislation Requirement for the U.S. Constitution, Missouri Constitution, and U.S. History. See the Academic Affairs section of the catalog under State Legislation Requirements for more details.

Transfer students seeking admission to Missouri Southern State College from colleges or universities not accredited by a regional association may be given full recognition for their credits earned when the credit is appropriate to the student's degree programs and after Missouri Southern State College has validated the courses. Applicants must meet the following conditions:

- the student must be in good standing at the institution from which they are transferring, and
- 2. the student must have a cumulative grade-point average of 2.00 or higher (on a 4.00 scale) for all work attempted.

Any transfer student falling below a 2.0 GPA but above the College's standards of progress may be considered for admission on probation.

Transfer students must take a minimum of 30 of the last 36 semester hours for the baccalaureate degree in residence at Missouri Southern.

Transient Students: Students in good standing at other colleges and universities may wish to enroll at Missouri Southern for the purpose of transferring back to their institutions the credit earned. Admission requires completion of the Non-Degree application form and payment of the \$15 non-refundable application fee. Students wishing to continue course work at Missouri Southern State College must complete the Degree Seeking admission application and meet admission criteria.

International Students: International students not citizens of the United States who wish to apply for admission should write the Admission Office or access the Admission Web Site (www.mssc.edu/admission) for the proper application forms and instructions. In addition to the admission credentials required of all students on page 38, international students must satisfy these concerns: (a) academic competency, (b) ability to read and speak the English language adequately for college level study, and (c) ability to finance the cost of education at Missouri Southern. All applicants from non-English speaking nations must score in the 75th percentile on the Michigan Test for English as a Foreign Language or score 535 on the TOEFL paper-based test or a minimum of 200 on the TOEFL computer-based test. The Admission Office must receive all application and accompanied credentials by the following dates:

Fall Semester June 1
Spring Semester December 1
Summer Semester May 1

Students who are citizens of the United States and use English as a second language must pass English language competency. A TOEFL test score of 535 on the TOEFL

paper-based test or a minimum of 200 on the TOEFL computer-based test or a score in the 75th percentile on the Michigan Test is required of these students.

Intensive English Program: Students who donot meet the English competency standards on the TOEFL or the Michigan Test are required to take courses in the Intensive English Program (IEP) before they can enroll in college level courses. The IEP courses do not count as credit toward baccalaureate or associate degrees. As prerequisite courses the IEP courses are graded and count as hours enrolled/earned in determining student status. IEP courses are described in the Communications section, page 71.

Dual Credit: The Dual Credit Program enables high school students to enroll in college courses and simultaneously earn both high school and college credit for those courses (subject to the agreement of the high school). Missouri Southern is pleased to participate in this program. Admission to the dual credit program is limited to high school students who have completed their sophomore year, who have a cumulative high school grade point average of at least 3.0 on a scale of 4.0, who are pursuing the state-designated college preparatory high school core curriculum, score at proficient or above on the MAP and who have the recommendation of their principal or counselor. Students should obtain a dual credit application and information about available courses from the Assistant Vice President for Academic Affairs, Hearnes Hall Room 200, 417.625.9555.

Credit-in-Escrow: The credit-in-escrow program consists of college studies for outstanding high school students who have completed their sophomore year, who have a cumulative grade point average of 3.0 on a 4.0 scale, who are pursuing the state-designated college preparatory high school curriculum, and who have the recommendation of their principal or counselor. A \$15 application fee and high school transcript is required with the application.

Admission to Selective Programs

The Health Sciences (nursing, dental hygiene and radiologic technology): Admission to Missouri Southern does not automatically confer admission to the programs of nursing, dental hygiene, radiologic technology. In addition to meeting the admission requirements for the College, candidates who are interested in these health career programs are required to apply for admission to the department. Application forms may be obtained from the department of nursing office, Kuhn Hall; the dental hygiene department office, Ummel Technology Building; or the radiology department of St. John's Regional Medical Center. Applications should be submitted prior to March 1, preceding the fall semester in which the student wishes to enroll. Each application is reviewed by the Admission Committee of the respective department. See nursing department page 209,

dental hygiene department page 203 or radiologic technology page 213 for full information on admission and acceptance criteria.

Teacher Education: Admission to Missouri Southern does not automatically confer admission to the Teacher Education Program. In addition to meeting the admission requirements to the college, candidates who are interested in the Teacher Education program are required to apply for admission to the Teacher Education Department. For more details, please see the Teacher Education section of the catalog (page 165).

Honors Program: This program is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students. Entrance into the program is by invitation. Interested students should write the Director of Honors Program for an application form or check the appropriate box on the application for admission to the college (page 40).

Special Admission

A student who wishes to enroll in college but does not meet regular admission requirements may be permitted to enroll in classes as a non-degree seeking student. College hours completed in this status cannot be counted toward a degree until the student meets regular college admission criteria. Special admission classification is not eligible for financial aid.

Students who possess a high school diploma or GED may request reclassification by:

- 1. meeting all of the College's admission criteria, or
- 2. successfully completing 21 hours with a 2.0 GPA.

Individuals without a diploma or GED must complete 59 hours with a 2.0 GPA before a request for reclassification can be considered.

60 Plus

This program is designed to serve interested individuals 60 years of age and over. Community residents may enroll in a course on a space-available basis without providing previous transcripts. Compliance with course prerequisites is necessary and is the student's responsibility. Enrollment takes place at the same time as regular student enrollment. Information concerning enrollment times, reduced fees and tuition costs can be found in the college schedule. A student may elect to receive a grade and credit for their course or they may audit the course with the permission of the instructor. If a student desires to become a regular student, he or she must make application to Missouri Southern for future semesters.

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Financial Aid

Mr. James Gilbert, Director of Student Financial Aid Hearnes Hall 114, 417.625.9325

Missouri Southern participates in a variety of aid programs to assist qualified students who would otherwise not be able to attend college. These funds - from private, institutional, state and federal sources - are coordinated to meet the individual student's need. There are programs based on various criteria such as financial need, performing ability and academic excellence. Each program has requirements for maintaining the award and students must meet satisfactory academic progress guidelines for continued assistance. Foreign students are required to present a financial statement certifying they have sufficient funds to pay for all educational expenses. Information in this catalog regarding financial aid is subject to change without notice. Missouri Southern reserves the right to adjust a student's financial aid package to reflect a true change in the student's financial situation. Financial aid awards are subject to changes in

For applications and detailed information concerning financial aid view our website at http://www.mssc.edu/finaid.
There is a wealth of financial aid available in many forms from many sources.

institutional policy and State and Federal regulations.



How to Apply for Financial Aid

1. All applicants must complete the Free Federal application for student aid and request an electronic PIN number which will be used in processing Federal documents. MSSC prefers the electronic application on the Web at http://www.fafsa.ed.gov, where you may request a PIN number. Likewise, all applicants must have a current E-mail address where financial aid information will be sent. Application priority date is February 15; however, awards will be made until all funds are expended. This application will generate a Pell Grant, if applicant is eligible and will be used to apply for work, loans, Missouri Charles Gallagher Student Financial Assistance Program, and the Missouri College Guarantee Program.

Students who have not submitted all necessary financial aid documentation by July 1 for the Fall term and December 1 for the Spring term will be expected to pay their fees in full by the deadlines set out in this catalog. Payment deferments will only be available to those students who meet with the application deadlines and have provided all required documentation for eligibility determination.

- Applicants selected for verification must bring or mail a copy of their own and if under 24, their parents' 1040 Income Tax Form to the Financial Aid Office. These signed documents must be on file before any award will be processed.
- Applicants must indicate on their application the type of assistance for which they wish to apply. In addition, applicants for PLUS loans must contact the Financial Aid Office for special instructions.
- Applicants for Patron Scholarships must complete a scholarship application and return it to the Scholarship Office by March 1.
- Transfer students must request an academic transcript for each college previously attended and be evaluated by the Registrar's Office before aid is processed.
- 6. Applicants for performing awards should contact the director of the program in which they wish to participate.
- 7. Applicants for special programs should contact the Financial Aid Office for instructions.

What types of Aid Programs does Southern offer?

Grants ———	Who Is Eligible	How Much	How to Apply
Federal Pell Grant	Federal Aid program based on financial need. All students should apply.	Grants range from \$200 to \$4000 depending on where the student lives and educational costs.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date Feb. 15.
Charles Gallagher Student Financial Assistance Program	State funded program for Missouri residents; based on financial need.	Maximum grant not to exceed one- half the cost of tuition and fees.	Complete the FAFSA. Deadline April 1.
Federal Supplemental Educational Opportunity Grants	Students with exceptional financial need.	Grants range from \$100 to \$4000 per academic year.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date Feb. 15.
Missouri College Guarantee Program	High School GPA 2.5 or higher, ACT 20 or higher, participated in Extra curriculiar activities, full-time at MO college.	Based fees charged at Univ. of MO and other federal and state programs.	Complete the FAFSA. Deadline April 1, received date.

General Scholarship Policies

Eligibility criteria will be reviewed in August and January prior to disbursing funds. Recipients may not receive more than one scholarship issued by the college. This includes Evans/Honors, President's, Regents', Junior College Transfer, Deans', Patron's, Non-Resident Freshman Scholarship, Non-Resident Transfer Scholarship and other scholarship programs. Outstanding students who receive more than one scholarship must choose which award they will accept. However, scholarship recipients may combine performing awards with the scholarship as long as the total award does not exceed the student's direct college costs.

Recipients of President's, Regents', and Deans' Scholarships must use the scholarship within one year after high school graduation or testing and may not have attended any post secondary program after graduation or testing prior to entering MSSC. Patron's scholarships are not automatically renewable. Application must be filed each year prior to March 1. Scholarships are fee waivers. No cash may be received unless coordinated with a non-college cash award.

Appeals, special circumstances, and questions pertaining to the awarding guidelines should be made to the Director of Student Financial Aid.

All fees, tuition, awards, and scholarships are subject to change without notice and are subject to review by the Scholarship Committee upon receipt of funds and authorization by the Board of Regents. Missouri Southern does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or provision of services.

What type of **Academic Scholarships** are available and how do I apply for them?

	and how do I ap	pply for them?	
cholarships	Who Is Eligible	How Much	How to Apply
Honors Program Evans Scholarships are awarded to selected first time freshman.	ACT composite score of 28, or a 3.5 GPA. Additional Evans Scholarship available for on-campus room and board with an ACT Composite score of at least 31 and to National Merit semifinalists or finalists.	Evans Scholarship-a four-year renewable scholarship covering tuition, textbook rental fees, and student activity fees for fall and spring.	MSSC, Honors Program, 3950 E Newman Road, Joplin, MO 64801 1595. Deadline for the completed application is March 1 .
Presidents Scholarship- Must complete 12 hours each semester. Renewable up to eight semesters if the student earns a 2.5 g.p.a. the first se- mester and a 3.0 g.p.a. for each semester thereafter.	Awarded to the 1st & 2nd ranking students, with a composite score of 21 or higher on the ACT.	\$1200 for academic year 2002-03. Approximate value over four years - \$4800. Will not cover any deposit, rental or student activity fee.	President's Scholarships are giver directly to each accredited high school in the college's service area and are awarded by the counselors in each school.
Regents' Scholarship- Must complete 12 hours each semester. Renewable up to eight semesters if the student earns 2.5 g.p.a. the first semes- ter and a 3.0 g.p.a. each se- mester thereafter.	High school graduates with a 26 or above composite score on the ACT and rank in top half of their graduat- ing class.	\$800 for academic year 2002-03. Approximate value over four years - \$3200. Will not cover any deposit, rental or student activity fee.	Awarded directly to the student by Missouri Southern on the basis of the ACT score and H. S. transcript. Student must complete the certification section and forward the acceptance letter to the Financial Aid Office.
Deans' Scholarship- Must complete 12 hours each semester. Renewable up to eight semesters if the student earns a 2.5 g.p.a. the first se- mester and a 3.0 g.p.a. each semester thereafter.	Rank in the upper 30% of their class, composite ACT score of 23 or above.	\$610 for academic year 2002-03. Approximate value over four years -\$2440. Will not cover any deposit, rental or student activity fees.	Awarded directly to the student by Missouri Southern on the basis of the ACT score and H.S. transcript. Student must complete the certification section and forward the acceptance letter to the Financial Aid Office.
Junior College Transfer Scholarship Must complete 12 hours each semester. Renewable if the stu- dent earns a 2.5 g.p.a. the first semester and a 3.0 g.p.a. each semester thereafter.	Students who have completed 55 hours or more from a Junior College with a 3.25 g.p.a.	\$800 for academic year 2002-03. Approximate value over two years -\$1600. Will not cover any deposit, rental or student activity fee.	Contact Financial Aid Office or www.mssc.edu/finaid for a copy of the application.
Patron's Scholarship All scholarships are subject to donor's criteria.	Open to any student attending Missouri Southern who shows scholastic ability or financial need. Application for Federal aid is not required for the Patron's Scholarship.	\$50-\$2500 per academic year.	Contact Financial Aid Office or www.mssc.edu/finaid for a copy of the application. Suggested deadline for applying is March 1 .
Non-Resident Service Area Scholarship Must complete 12 hours each semester. Renewable up to 8 semesters if the student earns a 2.5 g.p.a. the first semester and a 3.0 g.p.a. for each semester thereafter.	Non-resident freshmen with a score of 21 or above on the ACT. Must attend high school or live in certain counties, in Arkansas, Kansas, Oklahoma. Contact the Scholarship office for a list of counties.	Out-of-state fees for 12 to 15 credit hours.	Contact Financial Aid Office or www.mssc.edu/finaid for a copy of the application.
Non-Resident Jr. College Transfer Scholarship Must complete 12 hours each semester. Renewable up to 4	Students who have completed 55 hours or more from a junior college in the College service area* and who have a 3.25 g.p.a.	Out-of-state fees for 12 to 15 credit hours.	Contact Financial Aid Office or www.mssc.edu/finaid for information on college service area.

*Service area in certain counties in Arkansas, Kansas, & Oklahoma.

semesters if the student earns a 2.5 g.p.a. the first semester and a 3.0 g.p.a. for each se-

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Awards	Who is Eligible	How Much	How to Apply
	Students who have demonstrated success or high potential inforensics, foreign language, journalism, music, mathematics, theatre, and athletics.	Awards range from \$50 to full scholarship consisting of tuition, fees, room and board.	Apply directly to the director or sponsor of particular activity.
Employment Programs	Who is Eligible ——	How Much	How to Apply ——
Federal Work Study Program	Federal Aid program based on financial need. All students should apply.	Minimum wage, weekly hours based on need, not to exceed 20 hours per week.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date Feb. 15.
Student Help Program	On-campus employment for students who are qualified to fill job openings.	Minimum wage, weekly hours depend on operational need.	Apply to Student Employment Office or to individual departments on campus.
Job Location & Development	All students unless other aid criteria conflicts.	Minimum wage and up.	Fill out MSSC Employment Application, make an appointment.
Loans ———	Who Is Eligible	How Much	How To Apply
Federal Perkins Loan	All students who demonstrate financial need and have completed appropriate documentation as required by Federal regulations.	Need to \$4000 per year, Aggregate total \$20,000	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date Feb. 15 .
Federal Direct Stafford Loans - subsidized	All students who demonstrate financial need and have completed appropriate documentation as required by Federal regulations.	0-29 hrs. up to \$2625; 30-59 hrs. up to \$3500; 60-89 hrs. up to \$5500; 90+ hrs. up to \$5500 Aggregate total \$23,000	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date Feb. 15 .
Federal Direct Stafford Loans - unsubsidized	Same as subsidized Federal Stafford Loans.	Cost of education minus other aid equals eligibility for independent students. Dependent students are restricted to the above amounts.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date Feb. 15.
Federal Direct PLUS (Parents Loan)	Parent of regular student must apply for Federal Aid Programs.	Cost of education minus other aid equals eligibility.	Complete the FAFSA; MSSC prefers the electronic application on the Internet; priority date Feb. 15. Additional loan application available at MSSC.
Advantage Missouri	High demand occupational fields.	Up to \$2500 per academic year.	Contact the Missouri Coordinating Board of Higher Education. Also complet FAFSA by March 1 .
Alternative Loans	All Students.	Not to exceed cost of attendance.	Contact Financial Aid Office after completing FAFSA.

Other Assistance	Who Is Eligible ——	How Much	How To Apply
Tuition Pay Plan	All students are eligible for this monthly budget plan which allows payment of fees over a 10-month period and provides insurance coverage for the person making the payments.	Ranges from \$25 to full cost of tuition, fees, room and board; or the difference between total direct educational costs and other financial aid awarded.	Applications available in the Business Office or cal 1.800.635.0120 to enroll.
Veterans' Administration Benefits	Veterans eligibility is determined by when the veteran entered military service, length of duty and several other factors.	Amount varies depending on chapter and enrollment status.	Contact: Veterans' Administra- tion Officer, Veterans' representative on campus or Veterans' Administration Regional Office
Bureau of Indian Affairs	Students who can prove they are at least one-fourth Indian blood.	Awards range from partial tuition to full tuition and fees.	Contact: Bureau of Indian Affairs, Higher Education Office, Federal Building Room 300, Muskogee, OK 74001
Vocational Rehabilitation	Students with disabilities.	Awards range from \$25 to full tuition, fees, room and board.	Contact: Vocational Rehabilitation Office, 1609 East 20th, Joplin, MO 64801
Educational IRA	Account setup prior to student's 18th birthday.	\$500 per year	See your local tax accountant.
MOSTAR Higher Education Saving Program (Effective Fall 1999)	All students.	Up to \$8000 annually	See your local tax accountant.
Lifetime Learning Tax Credit	1/2 time student	\$1000 per year and \$2000 per year in 2003	See your local tax accountant or claim as proper tax credit.
Hope Scholarship Tax Credit	First two years of college, at least half-time; file taxes	\$1500 per year	See your local tax accountant or claim as proper tax credit.
Local clubs, service organizations & foundations	All Students	Amount varies with organization.	Contact: Your local clubs, service organization & foundation.
Employment Benefit Programs	Students, spouses and dependents	Amount varies	Contact: your parents or your place of employment.
Midwest Student Exchange	Students from Kansas, Nebraska, Minnesota and Michigan. Freshman: score of 21 or above on ACT; Transfers 3.25 GPA	Student pays 150% of resident tuition.	Contact: Scholarship Office
Residency Tax Credit	Dependent student who have parents working and paid Missouri State Taxes	Varies up to out of state portion of tuition.	Contact: Business Office

Repayment Notice for Federal Financial Aid

Students who withdraw prior to the 60% of the semester will be subject to repayment of part or all of their aid, as determined by Federal Regulations.

Students will be notified in writing of any amount due. A hold will be placed on the student's account until repayment is made in full.

Students must make repayment of their portion of financial aid within 45 days. Failure to make repayment within 45 days will result in:

- 1. Referral to the Federal Government for collection.
- 2. Ineligibility for Federal Financial aid from all colleges and universities until the overpayment of aid and interest due is paid to the U.S. Department of Education.

Policies and Regulations

Academic Standards: The student's academic progress will be determined in May of each year. However, if minimum standards of hours or grade point average are not met in the fall semester, the student automatically will be placed on financial probation for the spring semester. If satisfactory progress is made during the fall, but not during the spring semester, the student will be allowed one semester on probation to make up all deficiencies. After the probationary semester, grades will be checked and the number of courses will be verified to see if a minimum standard has been completed. If satisfactory progress is not maintained, the student will be placed on financial suspension until the required GPA is reached or course work is completed.

All financial aid recipients must meet the appropriate GPA as published in the College Catalog, (Standards of Progress Toward Graduation). After the second year, federal regulations require the student to have a cumulative 2.0 GPA or the required GPA as published in this catalog for graduation, or in cases where a higher GPA is required for graduation, the student must meet that higher GPA. Students receiving financial aid must meet federal guidelines. If the GPA falls below the minimum standard of progress, the student will be placed on probation.

The maximum time in which a student is eligible to receive financial assistance is as follows:

Maximum Semesters of Aid Eligibility

Degree	Full-Time	3/4-Time	Half-Time
Bachelor	12	18	24
Associate	6	9	12
Certificate	3	5	6

Note: It is automatically assumed that students who do not indicate a degree program are pursuing a baccalaureate degree.

Category Completed	Hours per Semester	Hours per Year
Full-time	12 or more	21 hours per year
3/4-time	9 to 11	15 hours per year
Half-time	6 to 8	9 hours per year

Note: In calculating the minimum hours completed per year, the following will not be counted: incompletes, repetitions, non-credit remedial courses, audited courses and withdrawals. However, if withdrawal from a class results in a change in categories, the originally required payment hours must be completed. If the minimum required hours are not completed, the student will be placed on probation. Students who fail to complete the minimum required hours during the academic year (fall and spring) or whose grades are below the minimum, may make up their deficiencies in summer school.

All aid will terminate immediately under the following situations:

- 1. withdrawal from all classes;
- 2. failure to meet special requirements of academic progress imposed by the Financial Aid Committee;
- default on any federally funded student loan or over payment of any Title IV funds; or
- 4. all "F" grades in a semester.

Appeal Procedures

Students may appeal the suspension of aid to the Director of Financial Aid. After reviewing the file, the Director may reinstate the aid if a course failure was due to medical circumstances, change of degree, change of major or circumstances beyond control.

If the Director denies the appeal, an appeal may be made to the Financial Aid Committee. The student must submit in writing an explanation of any special circumstances in addition to the ones listed that the committee should consider in determining whether any aid should be reinstated. After reviewing student records and written comments, the committee will give written notification of its decision. The notification will state whether or not the aid should be continued and the requirements for reinstatement. The decision of the Financial Aid Committee is final.

It is assumed that transfer students are making satisfactory academic progress when they enroll at Missouri Southern. They will be evaluated at the end of their first full academic year.

Students may continue to receive assistance under the following mitigating circumstances: meeting standards or on

probation under old policy, medical problems, change of degree objective, change of major or other extenuating circumstances. The Director will determine the validity of these circumstances, provided there is appropriate documentation. Under these circumstances, students need not go through the appeal process.

For further information concerning academic progress, see the Financial Aid Office Procedure Manual in the Financial Aid Office.

Other Duties and Responsibilities of Financial Aid Recipients

Students must report the following changes to the Financial Aid Office:

- 1. withdrawal from school,
- 2. a significant change in income,
- 3. added or dropped classes during the semester,
- 4. a name change,
- 5. change of address or change of parents' address,
- 6. transfer to another college.

Work Study recipients must contact the Student Employment Office for job placement within five days of the beginning of the semester.

Missouri Southern operates on a financial aid data base system which processes applications and awards electronically. It is to the applicant's advantage to use forms and applications which are capable of processing data by teletransmission. The electronic system requires student signatures or electronic use of PIN on documentation, award letters, and promissory notes before funds can be processed.

Financial aid funds will be credited to the student account. Once all direct college costs have been satisfied, funds awarded may go directly to the student will be mailed by check to the address provided at the time of registration. Checks are printed at the end of the second week and thereafter every week throughout the semester. Student employment and other checks must be picked up in person at the Business Office upon notification of their availability.

Veterans must sign up for veterans' benefits at the beginning of each semester.

The Center for Assessment and Institutional Research

Delores A. Honey, Assistant Vice President *Matthews Hall 321, 417.625.9696*

Missouri Southern is committed to the measuring of outcomes of curricular programs. Both the Core Curriculum and the major are assessed each year. Federal, state and local reports of institutional data are prepared and archived in this Center.

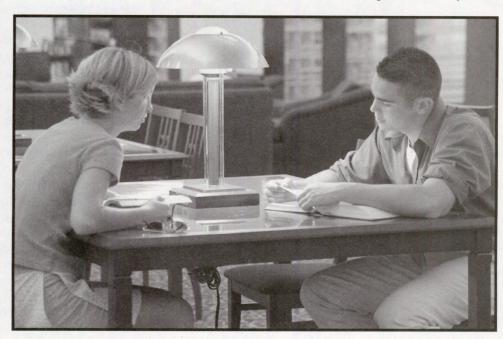
The George A. Spiva Library

Wendy McGrane, Interim Library Director Spiva Library 120, 417.625.9703 www.mssc.edu/spivalib

Librarians: Robert Black, James Capeci, Susan Huston, Charles Nodler, Ed Wuch

The George A. Spiva Library and Cragin Addition

The Spiva Library is the major information resource on campus. Available in the Library for student use are 222, 483 book volumes and 1,147 periodical titles. A state and federal government documents collection; a law library; and a 714,773 item microform collection provide additional reference materials for student research. Additional collections housed in the archives are the Congressional Papers of



former member of the United States House of Representatives, Gene Taylor, tri-state mining maps, the papers of the late Dr. Arrell Gibson, a noted Western historian and MSSC archival material.

Students first enjoyed the use of the new Spiva Library in the fall of 2001. The Library was completely remodeled and a new addition was constructed. The new addition doubles the square footage of the library to 80,000. A cyber coffee shop allows students to study and enjoy a beverage or snacks in the Library. They may drink and web surf on the 24 state-ofthe-art computers in the area. Going to the Third Floor: beautiful new cherry wood furniture welcomes the student who enters from the main campus level. The many available computers allow students to do their research on the Internet. Other areas on this floor are reference, circulation, periodicals and microforms. On the Fourth Floor is the Belk Quiet Room. This is a beautifully furnished room, which maintains the enforced quiet that many people want in a library. Other open areas with comfortable lounge furniture or tables with chairs enable students, who need to do group work, to talk without disturbing others. Many group study rooms are available as well. The book collection is located on this floor and the 2nd floor. The 2nd floor houses the government documents collection and the Law Library.



The staff is composed of six librarians, 13 support staff members and part-time student staff members. The Library is open from 7:30 a.m. until 11 p.m., Monday through Friday. On the weekends, the hours are from 9 a.m. until 11 p.m. on Saturday and from 2 p.m. until 10 p.m. on Sunday. Changes in this schedule are posted as needed for holidays, breaks and summer school. The service week of 99.5 hours is more than that maintained by many academic libraries.

The teaching function of the library is important, as it should be in a college that prizes excellence in the intellectual development of its students. Every effort is made to ensure that students learn how to conduct research in the library effectively and to use information resources knowledgeably. Librarians provide tours of the library, workshops, class lectures and individual assistance.

Modern technology is used heavily in the library. Interlibrary loan requests are sent and received through an international computer network of libraries. Locations of requested materials can be determined in minutes through the OCLC Network, which has a database of over 46 million records in over 40,102 member libraries. A facsimile machine service is used to rapidly send and receive copies of periodical articles. New services through the Internet allow students and faculty members access to hundreds of library catalogs, discussion groups, listservs, and additional databases. An additional Internet tool, Ariel, is a system of faxing documents via the Internet between libraries and adds to the library's ability to provide journal articles in a timely manner.

All functions of the library are automated. The public catalog is on the Internet at swan.missouri.edu. The catalog allows a search of Missouri Southern's materials alone or those held in the SWAN cluster of Southwest Missouri State University, Drury University, Southwest Baptist University, Crowder College, Cottey College and Ozarks Technical College. A statewide search will look at all of the holdings in any participating academic library, including the University of Missouri system. The book resources available are considerable and may be borrowed by MSSC Students and Faculty.

MOBIUS is a new program for linking the academic libraries of Missouri. This project provides the same client server and library automation software for all the academic libraries in Missouri. One of the nicest features of this system enables a student to borrow a book from any academic library in Missouri and expect to receive it within 48 hours in the best scenario. The average time is dependent on circumstances. The book/s requested are delivered daily Monday through Friday by an independent courier. The book is sent to the home library, which is the Spiva Library. With this system, there is no more filling out tedious forms at the circulation desk and it is very fast compared to the old method of using the U.S Postal Service.

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The major periodical indices in business, education, social science, history, psychology, English, biology and nursing are available to Southern students and professors on the Internet. Many of the resources are available in a full text format. Access to these resources is through the library's web page, accesible through the main Missouri Southern web page. The many electronic databases subscribed to by the Spiva Library and available campus wide are listed there. While the Library welcomes the digital age, there are no clear directions at this point. Consequently the Spiva Library maintains print periodicals and microfilms of back issues. Digital and analog microform printers and readers are available for viewing and printing the periodical back files. Copy machines are located throughout the Spiva Library.

Located on the top floor of the Spiva Library is the Audio Visual Center. The AVC is the audio-visual materials component of the Spiva Library. These materials include video and audiotape materials, films, slides, kits and miscellaneous instructional materials. Curriculum textbooks, curriculum guides on microfiche, juvenile and children's books that support the teacher-training curriculum are housed in this area. Materials in this area are cataloged and indexed in the Swan public catalog. The AVC provides appropriate playback equipment for all the materials. Video viewing for distance education students, masters in nursing students and general class viewing is available in this area.

The AVC staff provides limited production services such as making overhead transparencies, laminating materials and copying audiotapes. The AVC has a minor inventory of slide projectors, videocassette recorders and monitors, audiocassette recorders and filmstrip projectors. Equipment is housed in each school and department, so the AVC equipment is limited to basic items. Helpful staff is stationed in this area to provide assistance with finding materials or using audiovisual materials or services.

Every effort has been made to ensure that the Spiva Library is accessible to patrons with disabilities. If a patron with a disability requires immediate short-term assistance, he or she should see any library staff member. If assistance is needed for extensive research, call 417.625.9801 to schedule an appointment.

With state-of-the-art library automation, the Spiva Library and Cragin Addition are ready for the next century. The Library provides students with plentiful books, periodicals and other resources for writing papers, preparing speeches or reports, and for general information needs.

Learning Center

Eillen Godsey, Director

Mansion Classroom Building, 417.625.9373

Staff: James Brown, Jan Holmes, Melissa Locher

The mission of the Learning Center is to provide a wide range of academic support programs to students and faculty. Learning Center staff are available to assist any MSSC student to become a more independent and efficient learner. All services are free.

Tutoring in Content Areas – Peer and faculty tutors are available. Some drop-in tutoring is offered, although an appointment is recommended. Both short- and long-term assistance is provided.

Writing Lab Services – Trained peer tutors instruct and coach students in all aspects of writing, such as writing process strategies, research paper documentation, and correct mechanics.

Computer Lab – The Learning Center offers a networked computer lab with Windows word-processing programs. Students may work on individual assignments or use the Center's software.

Services for Students with Disabilities – The Learning Center provides support services to students with disabilities. Support services are elective and must be requested by the student. Appropriate documentation must be provided.

Audio/Visual and Computer Assisted Instructional

Resources – Tapes are on reserve in the Center and may be viewed in the Center or checked out. The collection includes faculty created study guides and practice tests, taped classes, practice drills in grammar and punctuation, national exam guides, as well as other academic support materials.

Classes

Basic Composition – Prepares students for college writing courses. Students write at least six major papers with special attention given to organization, syntax, grammar, and mechanics.

Academic Skills for College Success – This class is intended to assist students not only in the transition from secondary school to college but in the development of academic skills to be used in college courses of study. Emphasis is placed on developing and increasing self-confidence for success in the freshman year and beyond. The course focuses on goal setting, dealing with change, learning styles, memory development, text reading, listening, note making and test taking skills.

Speed Reading – A course designed specifically to increase reading speed. Students must be capable college level readers to benefit from this computerized format. In addition students will become aware of factors influencing reading speed and efficiency. This one hour class presents a non-threatening environment for students to practice increasing speed while maintaining an acceptable level of comprehension.

Workshops

- · Study Skills
- Exam Preparation

Lifelong Learning

Dr. Jack Spurlin, Vice President for Lifelong Learning Hearnes Hall 108, 417.625.9652

The office of Vice President for Lifelong Learning promotes the concept that learning is a continually evolving process. Lifelong Learning provides a variety of forms of access to education to meet the evolving needs of the individual. Access to educational opportunity is provided on-campus and off-campus during the week and through Weekend College. It is recognized that learning is not always formalized and in some cases individuals may, through the portfolio process, achieve recognition for career and professional experiences.

Dr. Jerry Williams, Director of Lifelong Learning Webster Hall 117, 417.625-9384

Staff: Betty Baker, Web CourseTechnical Specialist
Robin Douglas, Television Production Specialist
Tom Hewett, Maintenance Engineer
Nancy Kenney, Coordinator of Customized Training
Bryan Lawler, Technical Specialist
Don Ross, Maintenance Engineer

The Division of Lifelong Learning is a component of the Office of the Vice President for Lifelong Learning that provides both credit and non-credit courses to supplement the college curriculum. The Division of Lifelong Learning is responsible for a variety of activities including distance learning. Persons who are homebound or have restrictive work schedules have access to college courses through one or more of the college's distance learning delivery systems. Students enrolling in these programs are considered special or temporary until they have completed the regular admission process to become degree-seeking students. Information is provided on the division's web site at: www.mssc.edu/lifelonglearning

Televised Instruction - College credit courses are offered over cable systems in Lamar, Carthage, Monett, Pierce City, Aurora, Verona, Neosho and the Southern Instructional Television Network. Live broadcasts afford students opportunities to talk with instructors through the use of the telephone. Delayed transmission courses are also offered for persons with schedules that do not coincide with the live telecasts.

Pathway - College courses leading to the associate of arts degree in general studies are offered through a cooperative program between Ozarks Public Television and Missouri Southern State College. The program reaches a 57-county area of Southwest Missouri and portions of Oklahoma, Arkansas and Kansas.

Interactive TV - A number of college credit courses leading to the bachelors degree are provided through interactive television to different sites. Some courses provide traditional college credit and others provide dual credit for high school students.

Internet Courses - College courses are offered over the Internet for the convenience of students who need flexibility in their schedule. Courses available include core curriculum and specialty courses necessary for various Associate and Baccalaureate degrees.

CD or Video Correspondence Courses - A limited number of courses are offered through the use of CD's or Video Tapes. The student and teacher also interact with e-mail communications and Internet for these classes.

Weekend Hybrid Courses – These college courses consist of a combination of traditional classroom and Internet sessions. The on-campus classroom sessions are typically on Saturdays. The majority of the student's work and interaction with the teacher is through the Internet using e-mail and the Blackboard course manager.

Customized Training - Training programs, customized to the specific needs of individual businesses and industry, are developed in cooperation with the various academic departments on campus. Some of the training activities are campus-based and may involve credit or non-credit courses.

Credit for Life/Work Experience - Credit may be earned for career and professional experiences that are documented through the portfolio process. The availability of credit depends on the relevance of the students' experiences to their major as determined by the department and the school dean. The application process and initial advisement begins with the office of the Vice President for Lifelong Learning. For information contact: 417.625.9652.

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Continuing Education Credit Hour Courses - These courses are offered in non-traditional scheduling formats and designed primarily for professionals and job improvement. The courses may be transferable to college credit through academic petition and the approval of the department head and the school dean. Students pursuing these courses will be considered as either *special* or *temporary* until they have completed the regular student admission process.

60-Plus Program - The pursuit of education is not limited by a person's chronological age. The 60-Plus Program provides tuition reduction for persons 60 years of age and over, encourages continued educational growth, and prevents psychological retirement.

Videoconferences and Conference Development - A number of conferences are provided for professional development and public awareness. Many of the conferences provide continuing education units to meet professional mandates.

The Writing Program

Joey Brown, Director Hearnes Hall 320B, 417.625.9708

The director and a faculty committee advise the Vice President of Academic Affairs on the development and supervision of the program. Each student is required to complete five writing intensive courses as a part of the baccalaureate degree. Six hours must be completed in the freshman year, and two of the three remaining courses must be taken at the junior and/or senior level. One upper division course must be taken in the student's major.

School of Arts & Sciences

Art Biology Chemistry Communications English **Environmental Health** Foreign Languages Geography Geology History **Mathematics** Music Paralegal Philosophy Physics & Pre-Engineering Political Science Preprofessional Social Science Sociology Theatre

School of Arts & Sciences

School Dean

John P. Messick Hearnes Hall 318, 417.625.9385

Degrees and Majors Bachelor of Arts

Art
Chemistry
Communications
English
French
German
History
Music
Political Science

Sociology Spanish Theatre

Bachelor of Science

Biology Chemistry Environmental Health Mathematics Physics Political Science Sociology

Bachelor of Science in Education

Art
Unified Science with
Biology Endorsement
Unified Science with
Chemistry Endorsement
English
French
German
Mathematics
Music
Unified Science with
Physics Endorsement
Social Studies
Spanish
Speech-Theatre

Options and Emphases

Art (B.A.)
Studio Art
Graphic Communications
Communications (B.A.)
Speech Communications
Mass Communications
International Communication
Public Relations

Mathematics (B.S.)
Mathematics
Computational Mathematics
Music (B.S.E.)
Double Certification
Instrumental
Vocal
Social Studies (B.S.E.)
History
Political Science
Sociology
Theatre (A.A.)
Associate of Arts with
Emphasis in Theatre

Minors: See Departments

Role

The School of Arts and Sciences consists of nine departments representing over 15 disciplines. Although diverse in nature and subject, the departments in the School of Arts and Sciences share three principle responsibilities: teaching, scholarly and creative activity, and service to the college and community.

Quality teaching is our primary role and responsibility. Arts and Sciences faculty teach the majority of courses in the Core Curriculum, a diverse but integrated group of courses that form the foundation of higher education. The School of Arts and Sciences prepares students for a variety of careers, or for graduate and professional school.

The second function of the School of Arts and Sciences is scholarly and creative activity. Scholarly research and activity advances knowledge and improves teaching by keeping faculty current in their field and creating a dynamic environment for students. Creative activity and performance improves the proficiency of faculty and enhances teaching. The result is an enriched cultural experience for students and the community.

College and community service, the third function of the School of Arts and Sciences, provides opportunities for faculty to participate in a variety of college and community affairs. Faculty provide academic expertise and problem solving skills to the college and community. The school serves as a cultural resource by presenting films, art exhibitions, dramatic productions, musical concerts and recitals.

Art

Art Building 205, 417.625.9563

Faculty Kyle - Head, Bray, Christensen, Hess, Hughes, Kujda, Noblett

Career opportunities available for the qualified bachelor of arts degree graduates are in commercial art, freelance and private studio lessons. This degree also prepares the graduate to enter an advanced degree program on the master's level in a specific art discipline. Graduates with a bachelor of science in education degree with a major in art are certified through the teacher education program to teach K-12 in the state of Missouri.

Degree requirements in the four art programs - B.A. (studio emphasis); B.A. (graphic communications); B.S.E. (one of two teaching fields); B.S.E. (single teaching field) - are such that it is extremely important that students majoring in art meet with their faculty advisers each semester. Students are responsible for contacting their adviser after completing 21 semester hours in art to make application for their Junior Review. For this review, students are required to submit a representative sampling of their creative work, a record of academic progress and a statement of intent and/or objectives for examination by a committee of the art faculty. Written permission of the Junior Review Committee is required for a student to enroll in Art 490 Senior Exhibit. The committee meets at the beginning of each fall and spring semester. Entering transfer students must make application for the review during their first semester. Application forms and more detailed information are available in the department of art office, 204 Art Building.

Core Curriculum requirement for non-art majors, for one course in Area 2, Humanities and Fine Arts, is fulfilled by Art 110, Art Appreciation.

Bachelor of Arts with a Major in Art

Emphasis I Studio Art

		Semester I	HOI	urs
	Core Req	uirements (p. 33) 51*		48
	Computer	Literacy Requirement		
		ed by art department)		3
	Foreign L	anguage (four courses		
	in one lan	guage)		12
,	Art Requi	rements		53
	Art 101	Basic Design	3	
	Art 105	Design & Color Theory**	3	
	Art 120	Beginning Ceramics	3	
	Art 130	Beginning Drawing	3	
	Art 211	Beginning Sculpture**	3	
	Art 205	Beginning Jewelry**	3	
	Art 230	Basic Form**	3	
	Art 232	Beginning Painting**	3	
	Art	Art History (upper division)	9	
	Art 310	Transparent Watercolor**	3	
	Art 312	Beginning Printmaking**	3	
	Art 300	Advanced Drawing**		
	OR			
	Art 421	Life Drawing**	3	
	Art 490	Senior Exhibit**	2	
		es (300-400 level courses)	9	
	Electives			8

* Required language courses satisfy 3 hrs or core curriculum

**See Prerequisites

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Arts with a Major in Art

Emphasis II Graphic Communications

Compute determin	Semester quirements (p. 33) 51* er Literacy Requirement-ed by art department ** Language (four courses i	48
one lang	uage)	12
Art Requ	irements	56
Art 101	Basic Design	3
Art 105	Design & Color Theory**	*3
Art 130	Beginning Drawing	3
Art 205 OR	Beginning Jewelry***	
Art 230	Basic Form***	3
Art 215	Computer Design I***	3
Art 240	Typography and Lettering	g3
Art	Art History (upper division	
Art 232 OR	Beginning Painting	
Art 300	Advanced Drawing***	3
Art 421	Life Drawing***	3
Art 310	Watercolor***	3
Art 312	Beginning Printmaking***	3
Art 315	Computer Design II***	3
Art 325	Graphic	
	Communications I***	3
Art 350	Graphic	
	Communications II***	3
Art 425	Graphic	
	Communications III***	3
Art 450	Graphic	
	Communications IV*****	3
Art 490	Senior Exhibit***	2
Electives		5
Additiona	Requirement:	
CJAd 210	Basic Photography	3
	12	4****

Suggested Elective Courses:

Art 120	Beginning Ceramics	3	
Art 232	Beginning Painting***	3	
Art 205	Beginning Jewelry***	3	
Art 230	Basic Form***	3	
Art 211	Beginning Sculpture***	3	
Art 421	Life Drawing***	3	
GB 320	Business		
	Communications***	3	
MM 300	Principles of Marketing***	3	
MM 401	Promotional Strategy***	3	

* Required language courses satisfy 3 hrs of core curriculum

** Satisfied by Art Department requirements ***See Prerequisites

*****Must include at least 40 upper division (300-400 level) hours.

*****Satisfies departmental computer literacy requirement.

Bachelor of Science in Education with a Major in Art Grades K-12 Certification Plan A One of Two Teaching Fields

	Semester I	Hours
Core Req	uirements (p. 33) 51*	48
Art Requi		41
Art 101	Basic Design	3
Art 105	Design & Color Theory**	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3
Art 200	Arts & Crafts	3
Art 211	Beginning Sculpture**	3
Art 220	Art Education	2
Art 230	Basic Form**	3
Art 232	Beginning Painting**	3
Art 312	Beginning Printmaking**	3
Art	Art History	
	(upper division)	9
Art Elective		3
Second Teaching Field (some fields		
exceed 30		30
Education	Certification Requireme	nts
(p. 167)	Δ	1-42

*Psy 100 satisfies certification requirements and 3 hours of the Core Curriculum. Area 3C **See Prerequisites included with course descriptions

***(Varies with 2nd field)

Bachelor of Science in Education with a Major in Art Grades K-12 Certification Plan B Single Teaching Field

Semester Hours

160-161***

	uirements (p. 33) 51*	48
Art Requi	rements	49
Art 101	Basic Design	3
Art 105	Design & Color Theory**	
OR		
Art 230	Basic Form**	3
Art 120	Beginning Ceramics	3
Art 130	Beginning Drawing	3
Art 200	Arts & Crafts	3
Art 211	Beginning Sculpture**	3
Art 220	Art Education	2
Art 232	Beginning Painting**	3
Art 312	Beginning Printmaking**	3
Art	Art History	9
Art 490	Senior Exhibit**	2
Art	Electives	12
Education	Certification Requireme	ents
(p. 167)		11-42
	138	3-139

60 / Art

*Psy 100 satisfies certification requirements
and 3 hours of the Core Curriculum. Area 3C
**See Prerequisites included with course
descriptions.

Minor in Art

Semester H	lours
Basic Design	3
Art Appreciation	
Art History	3
Beginning Ceramics	3,
Beginning Drawing	3
Beginning Sculpture*	
Beginning Jewelry*	
Basic Form*	3
Beginning Painting*	
	3
Beginning Printmaking*	3
	2
	Art Appreciation Art History Beginning Ceramics Beginning Drawing Beginning Sculpture* Beginning Jewelry* Basic Form*

^{*}See Prerequisites included with course descriptions.

Minor in Art With **Emphasis in Graphic Design**

	Semester	Hours
Art 101	Basic Design	3
Art 105	Design/Color Theory*	3
Art 130	Beginning Drawing	3
Art 240	Typography & Lettering	3
Art 325	Graphic	
	Communications I*	3
Art 350	Graphic	
	Communications II*	3
Art 425	Graphic	
	Communications III*	3
		2

^{*} See Prerequisites Recommended Class: Basic Photography

Suggested Order of Study

Bachelor of Arts

Major Code 1002

Art Major

Emphasis I: Studio Art

Freshman Year

1st Semes	ster	
Course		Hours
Art 101	Basic Design	3
Art 130	Beginning Drawing	3
CORE	[Eng 101 Comp I]	3

CORE	[Kine 103 Lifetime Wellness]	2
OOTIL		17
2nd Semeste	er	
Art 105	Design & Color Theory*	3
Art 230	Basic Form*	3
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 120 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
		16

[Math 125 Cont Math]

CORE

CORE

Sophomore	Year	
1st Semester	r en	
Art 205	Beginning Jewelry*	3
Art 120	Beginning Ceramics	3
CORE	[Bio 101 General Biology]	4
CORE	[Comp 105 Comp Literacy]	3
Art ·	Art History **	3
		16
2nd Semeste	er	
Art 110	Art Appreciation	(
Art 211	Beginning Sculpture*	

CORE	[Soc 110 Intro to Sociolog	y] 3
Art 232	Beginning Painting	3
		17
Junior Year	•	
1st Semeste	er	
Foreign Lan		3
CODE	[Muc 110 Mucic Apprec]	

[Phys 100 Fund of Phys Sci] 5

Foreign Lan	guage	3
CORE	[Mus 110 Music Apprec]	
OR		-
CORE	[Th 110 Theatre Apprec]	3
Comm 305	Intercultural Comm	
OR		
Anth 342	Comparative Cultures	
OR		
GB 310	International Business	3
Art 300	Advanced Drawing	
OR		
Art 421	Life Drawing	3
Art	Art History**	3
		15
2nd Semest	ter	
Art	Art History**	3
	,	

Art 310	Watercolor	3
Art 312	Beginning Printmaking*	3
Foreign Lan		3
CORE	[PSc 120 Gov't:US/Sta/Loc]	3
		15
Senior Year		
1st Semeste	er	
Art 490	Senior Exhibit*	2
CODE	15 - 004 /000 American Lit	1 2

Senior Year		
1st Semester		
Art 490	Senior Exhibit*	2
CORE	[Eng 281/282 American Lit]	3
Art	Electives***	2
CORE	[Econ 180 Amer Econ Sys]	3
Foreign Lang		3
	,	13

2nd Semes	ter	
Art	Art History**	3
Art	Electives***	3
Electives	Approved by the adviser***	6
	Foreign Language	3

See Prerequisites
*9 hours required-select from Art 301, 302,
303 or 304 Art History
**Calant from 200 or 400 lavel courses

[Department Recommendations]

Bachelor of Arts Major Code 1003

Art Major

Emphasis II: Graphic Communications

Freshman Y	ear	
1st Semeste	r	
Course		Hours
Art 101	Basic Design	3
Art 130	Beginning Drawing	3
CORE	[Eng 101 Comp I]	3
CORE	[Math 125 Cont Math]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 103 Lifetime Wellne	ess]2
CORE	[Psy 120 College Orient]	1
		18

2nd Semeste	er	
Art 105	Design & Color Theory*	3
CJAd 210	Basic Photography	3
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 120 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
		16

Sophomore	Year	
1st Semeste	r	
Art 205	Beginning Jewelry*	
OR		
Art 320	Basic Form*	3
Art 240	Typography & Lettering	3
Art 215	Computer Design I*	3
CORE	[Bio 101 General Biology]	4
CORE	[Eng 271/272 English Lit]	3
		16

2nd Semeste	er	
Art 232	Beginning Painting	
OR		
Art 300	Advanced Drawing*	3
Art 412	Life Drawing*	3
Art 315	Computer Design II*	3
CORE	[Phys 100 Phys Sci]	5
CORE	[Eng 281/282 American Lit]	3
	1	17

Junior Ye	ar	
1st Semes	ster	
Art 110	Art Appreciation	3
Art 310	Watercolor*	3
Art 325	Graphic Comm I*	3
		12

8 16-17

2nd Seme	ster		Sophomo	re Vear		2nd Semester		
Art	Art History**	3	1st Semes					
Art 312	Beginning Printmaking*	3	Take C-Ba			Educ 337	Tchng Art in t	the Sec Sch
Art 350	Graphic Comm II*						Foundations	of Educ
		3	Educ 200	Orientation to Educ II	1	Educ 432 (Critical Issues	S
Foreign La		3	Art 200	Arts & Crafts	3	Select one:		
CORE	[Soc 110 Intro to Sociolo	gy] 3	Art 220	Art Education	2	Educ 412 I	Indivi Curri De	ev (2)
		15	Art	Elective	3	OR	nam cam b	CV (Z)
			CORE	[Bio 101 General Biology				
Senior Ye	ar			[List 110 LI C Lists and			Intro to Couns	seling**** (3
1st Semes			CORE	[Hist 110 U.S. History]	3	OR		
			CORE	[PSc 120 Gov't: U.S./Sta/Lo	c] 3	Psy 412 M	Meas & Eval	(2)
Art	Art History**	3			19	Educ 464 S	Student Teac	hing K-12
Art 490	Senior Exhibit*	2						9
Art 425	Graphic Comm III*	3	2nd Semes	ster		*See Prerequi	initan	
CORE	[PSc 120 Gov't:U.S./Sta/Loc	0] 3		dmission to Teacher Educat	tion			
Art Elective		2	Educ/Pov 2	302 The Exceptional Child		**9 hrs. require	ed—select fro	om Art 301,
Foreign La			Educ/FSy 3	102 The Exceptional Child	2	303 or 304 Art		
i oreign La	riguage	3	Educ 301/4	01 Computer Software***	3	***Satisfies de	partmental re	equirement
		16	If computer	literacy requirement is not		computer appl		
			met in the s	specialty department.		****Offered at	night only A	fust he take
2nd Semes	ster		Art 211	Beginning Sculpture*	3	semester prior		
Art	Art History**	3	Art 232	Beginning Painting*				
Art 450	Graphic Comm IV* ***	3			3	[Departmental	Hecommend	lations
CORE			CORE	[Eng 281/282 American L	it] 3			
	[Econ 180 Amer Econ Sy	The state of the s	CORE	[Phys 100 Fund of Phys S	Sci]5	After accumula	ating 21 hrs. i	n art, studer
Art Elective		2			19	make applicat	ion for their	Junior Rev
Foreign La	nguage	3				their adviser.	To thom	carnot riev
		14	Junior Yea	r		tion davisel.		
			1st Semest			Canada		
* See Prere	aquisites					Consult catalog	for requirem	nent for Plan
**0 bours	aguined and a local form A L Of			competencies.		instruction/certifi	ication for one of	of two teachin
9 nours r	equired—select from Art 30	1, 302,	Psy 310	Educational Psychology	2			
303 or 304	Art History		Educ 329	Ped Theo Meth & Prac	4	For additiona	I informatio	n contact.
***Satisfies	departmental requirement fo	racom-	Educ 321	Microteaching	2			ii contact.
puter applic	cation course.		Educ 423	Classroom Management	2	Mr. Nick Kyle		
Denartmen	nt Recommendations]			Ed 420 below****	2	Office: Art Bu	uilding 303	
Dopartmen	it recommendations]					Phone: 417.6	625 3045	
			Art	Art History**	3			
			Comm 305	Intercultural Comm		E-mail: kyle-r	i@maii.mss	sc.eau
Bachelor	of Science in Education	1	OR					
Major Cod			Anth 342	Comparative Cultures				
			OR	o mparativo o artaroo				
Art Major	(Plan B)		GB 310	International Dusiness	•			
Single Tea	aching Field		GB 310	International Business	3	Course	a Bass	
	-12 Certification				16	Guurs	e Desc	
diades it	12 Certification							
Freshman '	Year		2nd Semest	er		AL RESIDENCE PROPERTY.	STATE OF THE PARTY	MANAGEMENT OF THE PARTY OF THE
1st Semeste			Educ 422	Tch Reading in the Sec Sc	ch 2			
		11	Art 120	Beginning Ceramics	3	Art 101 (F and/	or S)	3
Course		Hours				Basic Design		
Educ 100	Orientation to Educ I	1	Art	Art History**	3			
Psy 100	General Psychology	3	Art 312	Beginning Printmaking*	3	Foundation stud		
Art 101	Basic Design	3	Art	Elective	3	ciples and elem	nents of design	gn in solving
CORE	[Eng 101 Comp II]	3	CORE	[Econ 180 Amer Econ Sys	1 3	problems. Six	studio hrs. p	er week. L
					17	required.		
CORE	[Math 125 Cont Math]	3			17			
CORE	[Kine 103 Lifetime Wellnes	ss]2	Cambra V.			Art 10F /F and/	0, 0)	_
CORE	[Psy 120 College Orient]	1	Senior Year			Art 105 (F and/o		3
		16	1st Semeste	r		Design and C		
		1 ST ST ST	Apply for stu	dent teaching. All course wor	rk must	Foundation stud	dio course de	aling with th
2nd Semest	or			d except for professional se		ries, problems	and applicati	ions of colo
			courses.	Topico protocolorial se		studio hrs. per w		
Art 110	Art Appreciation	3		Art Llistor **	0			
Art 130	Beginning Drawing	3	Art	Art History**	3	site: Art 101 or	approval of ir	istructor.
Art 105	Design & Color Theory*		Art 490	Senior Exhibit*	2			
OR			Art	Elective	6	Art 110 (F, S)		3
rt 230	Basic Form*	2	CORE	[Eng 271/272 English Lit]	3	Art Appreciat	tion	
A Property of the Control of the Con		3	CORE	[Hist 120 U.S. History]	3			oppresiet's
CORE	[Comm 100 Oral Comm]	3	JOHL	[First 120 O.S. History]		A survey designed		
CORE	[Eng 102 Comp II]	3			17	visual arts throu		
CORE	[Kine 101 Physical Activity	1 1				brary research a	and visits to th	ne George A
Psy 305	Child/Adolescent Dev	3				Center for the Ar		
,	and a state of the	19				and critical proce		
		19				arts are empha	cized Specie	ally recomme
						toward manth	Core C	any recomm
						toward meeting		Jium require
						for non-art majo	rs	

Zilu Seillestei					
Educ 337	Tchng Art in the Sec Sch				
Educ 402	Foundations of Educ				

Educ 402	Foundations of Educ	2
Educ 432	Critical Issues	2
Select one:		
Educ 412	Indivi Curri Dev (2)	
OR	`	
Educ 420	Intro to Counseling**** (3)
OR	(-,
Psy 412	Meas & Eval (2)	2-3
. 0, 112	ivicas a Lvai (2)	2-0

ired-select from Art 301, 302, art History

departmental requirement for a plication course.

it night only. Must be taken the or to student teaching. al Recommendations]

lating 21 hrs. in art, students must ation for their Junior Review via

og for requirement for Plan A (Art tification for one of two teaching fields).

se Descriptions

dor S) 3 hrs. cr.

udio course that incorporates prinments of design in solving studio x studio hrs. per week. Lab fee

lor S) 3 hrs. cr. **Color Theory**

udio course dealing with the theoand applications of color. Six week. Lab fee required. Prerequior approval of instructor.

3 hrs. cr.

ned to increase appreciation of the ough readings, slide lectures, liand visits to the George A. Spiva Arts. Development of the cognitive cesses as they relate to the visual asized. Specially recommended g Core Curriculum requirements for non-art majors.

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Art 120 (F and/or S)

3 hrs. cr.

Beginning Ceramics

Methods and techniques of throwing and/or hand building with application of glazing and firing. Six studio hrs. per week. Lab fee required.

Art 130 (F and/or S)

3 hrs. cr.

Beginning Drawing

Development of perceptual drawing skills through the study of line, value, perspective, and composition using various media. Six studio hrs. per week. Lab fee required.

Art 200 (F or S)

3 hrs. cr.

Arts & Crafts

Basic crafts survey exploring materials and processes of traditional and contemporary handicrafts.

Art 205 (F and/or S)

3 hrs. cr.

Beginning Jewelry Design/Metalsmithing Creative exploration of design fabrications, casting and forging processes. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 and/or Art 105 or approval of instructor.

Art 211 (F and/or S)

3 hrs. cr.

Beginning Sculpture

Exploration of forming methods involving wood, clay, plaster and mixed media with emphasis on additive and subtractive techniques. Six studio hrs. per week. Lab fee required. Prerequisite: Art 105 and/or Art 230, or approval of instructor.

Art 215 (F)

3 hrs. cr.

Computer Design I

Introduction to PageMaker and Illustrator programs used on the Macintosh platform. Students will study desktop publishing, page layout, proper use of type and images. File and disk management, memory, storage and scanning will be included. Six studio hours per week. Lab fee required. Prerequisite: Art 101, or approval of instructor.

Art 220 (F, S)

2 hrs. cr.

Art for the Elementary School Teacher

Art theory and experiences, curriculum theory and appropriate materials, objectives, methods, activities, and resources preparatory to instruction of elementary school students. Lecture, discussion, and studio. Required for both elementary education majors and secondary art education majors. Lab fee required.

Art 230 (F and/or S)

3 hrs. cr.

Basic Form

Studio exploration of the relationships of parts to form. Projects include two and three dimensional problems. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101.

Art 232 (F and/or S)

3 hrs. cr.

Beginning Painting

Procedures, techniques, historical processes and basic fundamentals of painting with acrylic. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101 and Art 130.

Art 240

3 hrs. cr.

Typography and Lettering

A studio course introducing the art of lettering/ typography. Designed to develop the skills needed to competently use the tools, materials and methods employed by professionals in rendering layouts and comprehensives. All assignments use lettering or typography as the primary design element. Six studio hrs. per week. Lab fee required.

Art 300 (F and/or S)

3 hrs. cr.

Advanced Drawing

Advanced investigation of various drawing elements including compositions, structure and aesthetics. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 101 and Art 130 or approval of instructor.

Art 301 (S, Odd)

3 hrs. cr.

Art History, Prehistoric Through Gothic Historic survey of the visual arts from prehistoric

Historic survey of the visual arts from prehistoric through the Middle Ages. Primarily in the Near East, North Africa and Europe.

Art 302 (F, Odd)

3 hrs. cr.

Art History, Renaissance

Through Baroque

Historical survey of the visual arts of Europe from the Early Renaissance through the Baroque and Rococo. Comparative study of other cultures included.

Art 303 (S, Even)

3 hrs. cr.

Art History, 19th Century

Historic survey of the visual arts of Western Europe and the United States focusing primarily upon the styles of Neo-Classicism, Romanticism, Realism, Impressionism and Post-Impressionism.

Art 304 (F, Even)

3 hrs. cr.

Art History, 20th Century

Study of the mainstreams of Western Art in Europe and the United States, including its sources and influences. Emphasis placed on the succession of modernist art movements in France and Germany from 1900 to 1945 and in the United States from 1945 to present.

Art 305 (Demand)

3 hrs. cr.

Art History: Special Topics

Student art problems investigated with group participation. Requirements: research papers and oral presentations of investigated problems. Prerequisite: 21 credit hrs. in art. Strongly recommended by the art faculty.

Art 310 (F or S)

3 hrs. cr.

Transparent Watercolor

Techniques and aesthetic processes of watercolor painting using landscape, figures and still lifes as subjects. Six studio hrs. per week. Lab fee required. May be repeated for a total of six credit hrs. Prerequisite: Art 101 and Art 130 or permission of instructor.

Art 312 (F and/or S)

3 hrs. cr.

Introduction to Printmaking

Introduction to the printmaking tools, materials, techniques, and process of the (1) Collograph; (2) Intaglio: etching, drypoint, aquatint, and softground; (3) Lithography; (4) Monotype and monoprint; (5) Relief: woodcut, linocut. Emphasis on drawing and designing. Studio hrs. per week. Lab fee required. Prerequisite: Art 130.

Art 315 (S)

3 hrs. cr.

Computer Design II

Introduction to GoLive and Photoshop programs used on a Macintosh platform. Students will study photo editing, creative illustration and web design. Six studio hours per week. Lab fee required. Prerequisite: Art 101, Art 215 or approval of instructor.

Art 321 (F and/or S)

3 hrs. cr.

Advanced Sculpture

Extension of Beginning Sculpture with introduction to the lost wax technique of casting bronze sculpture. Each student is permitted to cast one piece per semester. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 211.

Art 322 (F and/or S)

3 hrs. cr.

Advanced Sculpture

Continuation of Art 321. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs.

Art 325 (F)

3 hrs. cr.

Graphic Communications I

Introduction to commercial art with an emphasis on the recognition, duplication, function and aesthetic use of typography/pictorial images as a visual language. Includes lettering, layout and type/image relationships. Six studio hrs. per week. Lab fee required. Prerequisite: Art 101, Art 105 and Art 130.

Art 330 (F and/or S)

3 hrs. cr.

Advanced Jewelry Design/Metalsmithing

Exploration of advanced methods and techniques of complex forms for jewelry and metalsmithing design. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 205 or approval of instructor.

Art 350 (S)

3 hrs. cr.

Graphic Communications II

Continued study of Graphic Communications I with an emphasis on the design and preparation of two-dimensional projects for printing and/or video reproduction. Includes an introduction to the development of an individual portfolio. Six studio hrs. per week. Lab fee required. Prerequisite: Art 325.

Art 401 (F and/or S)

3 hrs. cr.

Advanced Painting

Students select an individual problem for self-development using a variety of media. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 101, Art 130 and Art 232.

Art 407 (F and/or S)

3 hrs. cr.

Advanced Ceramics

Advanced methods, techniques and procedures of pottery making and design in clay. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 120 or approval of instructor.

Art 420 (F and/or S)

3 hrs. cr.

Special Projects in Art I

Advanced studio survey selected by the student in a particular area of art. Students attend a regularly scheduled course of related content but complete an independent special project approved by the instructor. Requirements: (1) an exhibit of the special project two weeks before the end of the semester and (2) a formal paper documenting the special project(s). Prerequisite: Completion of 2 advanced courses in the same area of concentration and approval of instructor and department head. Lab fee required. May be repeated for a total of 6 credit hrs.

Art 421 (F and/or S)

3 hrs. cr.

Life Drawing

Drawing and/or painting the human figure with emphasis on anatomy, structure and form. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisites: Art 130 and Art 232 or Art 300.

Art 425 (F)

3 hrs. cr.

Graphic Communications III

Continued study of Graphic Communications II with an emphasis on the design and preparation of two and three-dimensional projects for printing and/or video reproduction. Includes an introduction to computer-aided graphic techniques and equipment. Six studio hrs. per week. Lab fee required. Prerequisite: Art 350.

Art 430 (F and/or S)

3 hrs. cr.

Advanced Printmaking

Stencils (silkscreen), lithographic, advanced intaglio, relief and monoprint processes. Advanced studio methods for color registration and mixed media procedures. Emphasis on design, drawing concept, technical proficiency and presentation. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 312 or approval of instructor.

Art 440 (F and/or S)

3 hrs. cr.

Special Projects in Art II

Same as Art 420. May be repeated for a total 6 credit hrs. Lab fee may be required.

Art 450 (S)

3 hrs. cr.

Graphic Communications IV

Advance study of graphic design layout, production and/or video reproduction. Includes advanced projects with computer-aided graphic techniques and equipment. Completion of an individual portfolio is required. Six studio hrs. per week. Lab fee required. May be repeated for a total of 6 credit hrs. Prerequisite: Art 425.

Art 475 (Demand)

1-8 hrs. cr. **Graphic Communications Internship**

An off-campus work experience in a professional setting for advanced art majors with a graphic communications emphasis. All internships must conform with institutional policy regarding the number of hrs. per credit and with contractual agreements involving the cooperating organization. Prerequisite: 6 hrs. of graphic communications, junior standing or above and approval of

Art 490 (F)

2 hrs. cr.

Senior Exhibit

departmental committee.

Prepares senior art majors for their exhibit which is normally scheduled during spring in the Spiva Art Gallery. One hr. lecture, 2 hrs. of studio per week. Prerequisite: Senior standing and permission of the Junior Review Committee.

Art 498

Art Seminar

1-3 hrs. cr.

For upper division Art majors or related majors.

Topics and methods of current interest not included in other courses. Enrollment by permission of seminar instructor or department head required. Prerequisites to be determined by Art Department.

Art 499 (F and/or S) Independent Study

1-3 hrs. cr.

An in-depth study of some specialized topic or project not considered in the art department course offerings. An adviser from the art faculty will structure the independent study with the approval of the department head. Prerequisite: At least 90 hours completed and an overall cumulative GPA of 3.0 or higher. Enrollment must be approved by the department head and school dean.

Biology

Reynolds Hall 210, 417.625.9376

Faculty Wells - Head, Bay, Black, Fletcher, Heth, Jackson, Kennedy, Lawson, Lemmons, Plucinski, Roettger, Schlink

A bachelor of science in biology will prepare students for a variety of careers in biotechnology, pharmaceutical and food technology industries, applied and basic research, environmental and wildlife biology, as well as conservation and resource management. Many students use the biology major as preparation for a health related professional career such as medicine, dentistry, optometry, veterinary medicine, pharmacy, and physical therapy.

Students interested in education may pursue the bachelor of science in education with a major in unified science, biology endorsement. Completion of this program qualifies you to teach introductory level courses in biology, chemistry, earth science and physics, and to teach advanced courses in biology at the secondary level.

Internships are encouraged for biology majors. These internships allow the students to gain practical experience in a work or research setting. Students work under the joint supervision of a faculty member and a representative of the institute providing the intern experience.

Bachelor of Science with a Major in Biology

(Major Codes 0401-0409)

of the last	Semeste	r Hours			
Core Requirements (p. 33) 51* 39					
Biology F	Requirements	40			
Bio 101	General Biology	4			
Bio 112	Botanical Survey	3			
Bio 122	Zoological Survey	3			
Bio 210	Molecular Biology	4			
Bio 231	General & Medical				
	Microbiology	5			
Bio 305	Genetics	4			
Bio 490	Seminar	1			
Bio	Upper Division Botany				
	Elective**	3-4			
Bio	Upper Division Zoology	0 1			
	Elective**	3-5			
Bio	Upper Division				
	Ecology Elective**	4			
Bio	Electives	3-6			
Supportin	g Requirements	25			
	Algebra and Trig				
	+ Math 135 = Math 140)				
OR					
Math 150	Calculus with Analytic				
	Geometry I	5			
Chem 101	General Chemistry I	5			
	General Chemistry II	5			
	Intro to Modern Organic				
	Chemistry				
OR	POSSESSES SE PROPERTO				
Chem 301	Organic Chemistry I	5			
Phys 151	Elem College Physics I	5			
	omputer Requirement	2-3			
	Comp Apps in Biology (2)			

C

Chem 301	Organic Chemistry I	5
Phys 151	Elem College Physics I	5
College Co	omputer Requirement	2-
Bio 303	Comp Apps in Biology (2)	

OR

Bio 304 Geographic Info Sys (3)

Approved Computer Course (3) 2-3 **Electives** 17-18 124***

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*Required courses in biology, chemistry, mathematics and physics satisfy major requirements and 12 hours of the Core Curriculum.

**Upper division botany courses include: Bio 316, Bio 322, Bio 371, and Bio 440. Upper division zoology courses include: Bio 301, Bio 308, Bio 331, Bio 332, Bio 361, Bio 362, Bio 422, Bio 431, Bio 433, Bio 442, and Bio 456. Upper division ecology courses include: Bio 312, Bio 402, and Bio 481.

***Must include at least 40 upper division (300 - 400 level) hrs.

Biology majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three WI classes. Two of the three must be upper division and at least one of the two must be in the major.

Although not required for the B.S. in Biology, some students may need additional courses to meet admission requirements for professional or graduate school. Students should contact their adviser and prospective professional or graduate school for information regarding the specific courses required.

Bachelor of Science in Education with a Major in Unified Science, Biology Endorsement (Major Code 9037) Unified Science With an Endorsement in Biology

Semester Hours

Semester Hours				
Core Requ	36			
Educ 301	are			
	3			
Biology R	equirements	34-36		
Required	Biology Courses	10		
Bio 101	General Biology	4		
Bio 112	Botanical Survey	3		
Bio 122	Zoological Survey	3		
Microbiol	ogy, Genetics, Cell Biolo	ogy		
& Bioche	mistry, and Evolution	17-18		
Bio 305	Genetics	4		
Bio 210	Molecular Biology	4		
Bio 231	General and Medical			
	Microbiology	5		
Bio 221	Human Anatomy			
	and Physiology II (5)			
OR				
Bio 301	Human Physiology (4)	4-5		
Botany -	select one:	3-4		
Bio 316	Economic Botany (3)			
Bio 322	Taxonomy of Flowering			

Plants (4)

Bio 371	Plant Physiology (4)
Bio 440	Plant Pathology (4)

Bio 402 General Ecology (4) Bio 481 Aguatic Ecology (4)

Supporting Requirements	
Phil 420 Philosophy of Science	
OR	
Approved Substitute	3
Math 140 Algebra and Trig	5
(Math 130 + Math 135 = Math 140)	
Chem 101 General Chemistry I	5
Chem 102 General Chemistry II	5
Phys 151 Elem College Physics I	5
Phys 152 Elem College Physics II	4
Geol 110 Intro to Geology	5
Geol 180 Intro to Meteorology	3
Education Requirements (p. 167)	40

*Required courses in biology, chemistry, mathematics, physics and psychology satisfy major requirements and 15 hrs. of the Core Curriculum.

Biology majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three WI classes. Two of the three must be upper division and at least one of the two must be in the major.

Minor in Biology

Requires a minimum of 20 biology credit hours. At least six semester hours must be upper division (300-400 level) and at least 12 semester hours must be above the 100 level. Courses must be chosen in consultation with an academic adviser from the Department of Biology.

Suggested Order of Study

Major codes 401, 408, 409;
Pre-professional students (402-407) should see their adviser for specific courses required for graduate or professional school.

Biology Major
Freshman Year
4-4-0

1st Semest	er	
Course		Hours
Bio 101	General Biology	4
Math 140	Algebra and Trig	5
CORE	[Eng 101 Comp I]	3
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
		16

2nd Semest	er	
Chem 101	Gen Chemistry I	5
Bio 112	Botanical Survey	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Eng 102 Comp II]	3
CORE	[Comm 100 Oral Comm]	3
		16

Sophomore Year

148-151

1st Semester				
Bio 122	Zoological Survey	3		
Bio 231	Gen & Med Micro	5		
Chem 102	General Chemistry II	5		
CORE	[PSc 120 Gov't:US/Sta/Loc]	3		
		16		

2nd Semest Bio 210 Chem 300	er Molecular Biology Intro Organic Chemistry	4
OR Chem 301 Bio 303	Organic Chemistry I Computer Apps in Biology	5
0	omputing course [Kine 101 Physical Activity] [International Cultural Stu]	2-3 1 3

Junior Year 1st Semester Bio 305 Genetics 4 Bio Upper Division Zoology 3-5 Phys 151 Elem Col Phys I

CORE	[Humanities and Fine Arts]	3 5-17
2nd Semest	er	
Bio	Biology Elective	4-5
Bio	Upper Division Botany	3-4
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 110 U.S. History]	3
		5-17

Senior Ye	ar		Summer S	semester	
1st Semes	ter		CORE	[Humanities and Fine Arts]	3
Elect	[Biology Elective]	4-5	CORE	[Comm100 Oral Comm]	3
Elect	[Biology Elective]	4-5	OONE	[Committoo Oral Commi	
CORE	[Hist 120 U.S. History]				6
		3			
CORE	[Behavioral Science]	3	Junior Ye		
	ade of The State State of the 1	4-16	1st Semes		
			Pass Medi	a Competencies.	
2nd Semes	ster	No ne	Educ 329	Ped Theo, Meth & Prac	4
Bio	Upper Division Ecology	4	Educ 321	Microteaching	2
Bio 490	Seminar	1	Educ 423	Classroom Management	2
CORE	[Econ 180 Am Econ Sys]	3	CORE		
				[Kine 103 Lifetime Wellness]	
Elect	[Biology Elective]	4	Psy 310	Education Psychology	2
Elect	[Biology Elective]	4	Phil 402	Philosophy of Science	
		16	OR		
Departmen	nt Recommendations]		Approved S	Substitute	3
			Phys 152		4
Program m	ust satisfy Writing Intensive	roquiro	1 11y3 102		
ments. (Se	e p. 32)	require-			19
			2nd Semes	ster	
			Bio 402	General Ecology	
Dochala	u of Colomon in Ed	119,000	OR Approved I	Toology Floating	,
	r of Science in Educat	tion		Ecology Elective	4
Major Co	de 9037		Bio 210	Molecular Biology	4
	Science with Biology		Bio 322	Taxonomy of Flowering Plant	S
			OR		
Endorse	ment		Approved E	Botany Elective 3	-4
			Educ 422	Content Area Lit: Secondary	
Freshman	Voor		CORE	[Econ 180 Amer Econ System]	
			CONL		-
Ist Semest	er	3 44		16-	1/
Course		Hours			
Bio 101	General Biology	4	Summer Se	emester	
CORE	[Eng 101 Comp I]	3	CORE	[Hist 320 U.S.1877-Present]	3
Math 140	Algebra & Trig	5			
Psy 100	General Psychology	3	Senior Yea	ar	
Psy 120	College Orientation	1	1st Semest		
		16		udent teaching. All course work	
			be complet	ed except for Professional Sen	nes
2nd Semes	ter		courses.		
Bio 122	Zoology Survey	3	Bio 221	Human Anatomy/Phys II (5)	
Bio 231	Gen/Med Microbiology	5	OR	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
CORE			Bio 301	Human Physiology (4) 4	-5
	[Humanities and Fine Arts]	3			
Chem 101	General Chemistry I	5	CORE	[PSc 120 Gov't:US/Sta/Loc]	3
		16	Geo 110	Intro to Geology	5
			CORE	[International Cultural Stud]	3
Summer Se	emester			15-1	16
CORE	[Humanities & Fine Arts]	3			
ORE	[Eng 102 Comp II]	3	2nd Semes	ter de la company	
JOHE	[Ling 102 Contip II]				0
		6	Educ 333	Tching Sci in Sec Sch	3
			Educ 402	Foundations of Education	2
Sophomore	e Year		Educ 432	Critical Issues	2
st Semeste		ALL LAND	Select One		
Take C-Bas			Educ 412	Indivi Curr Development (2)	
Bio 112	Botanical Survey	2	OR	Can Davolopinon (2)	
		3		Intro to Couposiina (2)	
Chem 102	General Chemistry II	5	Educ 420	Intro to Counseling (3)	
CORE	[Kine 101 Physical Activity]	1	OR		
Geol 180	Intro to Meteorology	3	Psy 412	Meas & Eval (2) 2-	-3
Psy 301	Adolescent Psychology	3	Educ 462	Stu Tchng in Sec School	8
	-,	15		17-18	
			[Danasta	t December detire 1	
and Semest	ter			t Recommendations] -not nece	SS
Apply for ac	Imission to teacher education	7.	ily in this or	der	
hys 151	Elem Col Phys I	5	Program m	ust satisfy Writing Intensive red	quir
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duc 301		3		, pago 02.)	
	Computer Software		_		
duc 302	[Psy 302] The Excep Child	2	For addition	nal information contact:	
ORE	[Hist 110 U.S. 1877-Present	7	Dr. Scott V	Vells	
		17		unolds Hall 215	

Office: Reynolds Hall 215 Phone: 417.625.9510

E-mail: wells-s@mail.mssc.edu

Course Descriptions

Bio 101 (F, S) **General Biology** 4 hrs. cr.

General treatment of unifying principles of living organisms including cell structure and function, metabolism, genetics, evolution and ecology. Emphasis on these biological principles as they relate to humans. Three lectures, one 2-hr. lab per week. Fulfills Core Curriculum requirement in Area 3, section A.

Bio 112 (F, S)

3 hrs. cr.

Botanical Survey

The diversity of plants, algae, and fungi found worldwide are studied in terms of habitat, morphology, anatomy, terminology, evolution, and classification. Scientific word roots, prefixes, suffixes, word derivatives, and relationships are emphasized, as well as some physiological processes of plants. Two lectures, one 2-hr. lab per week. Prerequisite: Bio 101.

Bio 121 (F, S) 4 hrs. cr. **Human Anatomy and Physiology I**

The first in a two-course sequence in which human anatomy and physiology are studied using a body system approach. Includes the concept of scientific inquiry and the fundamental concepts of cell biology, cell metabolism, and genetics. Three lectures and one, two-hour lab per week. Fulfills the core curriculum requirements in Area 3, Section A for certain Allied Health, Environmental Health, Kinesiology, and Nursing majors.

Bio 122 (F, S) **Zoological Survey** 3 hrs. cr.

Morphology, physiology and classification of animals with emphasis on the diversity of animals. Two lectures, one 2-hr. lab per week. Prerequisite: Bio 101.

Bio 201 (S) **Human Anatomy** 4 hrs. cr.

A general treatment of human anatomy from the tissue through the organ system levels of organization. The lecture provides the conceptual and organizational framework for laboratory, which utilizes microscopy, dissection, anatomical models, and anatomical software. Three hours of lecture, one 3-hr. lab per week. Credit toward the biology major granted for one anatomy course: Bio 201 or 331. Prerequisite: Bio 101.

Bio 210 (F, S) 4 hrs. cr. Molecular Biology (Writing Intensive) Physiological characteristics and function at the molecular levels of both plant and animal cells. Three lectures, one 2-hr. lab per week. Prerequisites: Bio 101 and Chem 102.

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Bio 221 (F, S)

5 hrs. cr.

Human Anatomy and Physiology II

This course is a continuation of Bio 121 - Anatomy and Physiology I. A systems approach will be used to emphasize the interrelationships between form and function at the gross and microscopic levels of human organization. Three lectures and two, two-hour labs per week. Prerequisite: Bio 121.

Bio 231 (F, S)

5 hrs. cr.

General and Medical Microbiology

Structure and function of microorganisms. Topics include general principles of microbiology, immunology and identification of microorganisms. Three lectures, two 2-hr. labs per week. Prerequisite: Bio 101 or 121. Chem 100 or 101 strongly recommended.

Bio 240 (S)

3 hrs. cr.

Radiation Biology

Survey of various types of radiation affecting humans, the uses of radiation and methods for monitoring radiation levels. Emphasis on the physiological damage that occurs to tissues following ionizing radiation. Three lectures per week. Prerequisites: Five hrs. of chemistry or acceptance into the School of Radiologic Technology.

Bio 261 (Demand)

Animal Nutrition

Fundamental principles of animal nutrition with special emphasis given to applied nutrition and life-cycle feeding of domestic animals. Three lectures per week. Prerequisite: Bio 210.

Bio 290 (Demand)

2 hrs. cr.

Research Methods in Biology

(Writing Intensive)

Development of investigational and technical skills required in environmental health, biology and related fields. Familiarizes students with research design and statistical analysis. Two hours of lecture per week. Recommended for students who wish to enroll in Bio 499 Problems in Biology. Prerequisite: Bio 101 and Math 140.

Bio 298 (Demand)

1-8 hrs. cr.

Selected Topics in Biology

Specific topic or topics not normally included in another course. Prerequisites: Bio 101.

Bio 301 (F)

Human Physiology

A general treatment of normal human physiology which emphasizes physiological control and homeostasis at the organ system level of organization. Lecture focuses on physiological processes and concepts; the lab emphasizes the measurement of physiological variables. Three hours of lecture and one 3-hr. lab per week. Credit toward the biology major granted for one physiology course: Bio 221, 301, or 431. Prerequisite: Bio 101. Bio 303 (Demand)

2 hrs. cr.

Computer Applications in Biology

Explores ways in which microcomputers are used to better understand and study biological phenomena. Satisfies the computer literacy requirement for biology and environmental health majors. One lecture and 3 hours of lab per week. Prerequisites: Bio 101.

Bio 304 (F, Odd)

3 hrs. cr.

Geographic Information Systems

Explores the expanding use of Geographic Information Systems (GIS) in ecology, environmental health, and related fields. Satisfies the computer literacy requirement for biology and environmental health majors. Lecture and lab scheduled equivalent to 3 credit hours. Prerequisites: Bio 101. (Cross-listed in Environmental Health)

Bio 305 (F, S)

4 hrs. cr.

(Writing Intensive) Genetics Introduction to principles of heredity, gene structure, expression and regulation. Emphasis on cytological and molecular approaches to nucleic acid replication, transcription, translation and other genetic mechanisms. Lab exercises illustrate genetic principles and techniques used in modern genetic research. Three lectures, one 2-hr. lab

Bio 308 (F,S)

4 hrs. cr.

Pathophysiology

per week. Prerequisite: Bio 101.

Altered physiological states, the cellular manifestations and causes of disease and adaptation to the alterations. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 221 or 301.

Bio 312 (F)

4 hrs. cr.

Environmental Biology (Writing Intensive) Environmental factors and their interactions with living organisms. Emphasis on human ecology and wise natural resource utilization. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 101 or 121. (Cross-listed in Environmental Health.)

Bio 316 (F)

3 hrs. cr.

Economic Botany

Economic uses of plants, and present and possible future value of lower plants. Emphasis on economic aspects of higher plants from an agricultural, horticultural and crop selection viewpoint as well as from a view of pharmacological usage, etc. Three lectures a week. Prerequisite: Bio 101.

Bio 322 (S)

4 hrs. cr.

Taxonomy of Flowering Plants

Relationships among selected plant groups with emphasis on classification and descriptions of taxa, nomenclature and concepts concerning the evolutionary sequence of various plant characters. Southwestern Missouri flora emphasized. Two lectures, two 2-hr labs per week. Prerequisite: Bio 112.

Bio 331 (F)

5 hrs. cr.

Comparative Vertebrate Anatomy

Fundamental course designed to enhance understanding and appreciation of the structure and adaptations of vertebrates. Emphasis on evolution and the relationship between structure and function. Two lectures, two 3-hr. labs per week. Credit toward the biology major granted for one anatomy course: Bio 201 or 331. Prerequisite: Bio 122.

Bio 332 (F, Even)

4 hrs. cr.

Introduction to Entomology

Collecting methods, taxonomy, life history, morphology and evolution of insects. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 122.

Bio 350 (Demand)

2 hrs. cr.

Techniques in Microbiology

Training in molecular techniques in microbiology through analysis of bacterial antibiotic resistance patterns and their medical ramifications. Includes the origin, incidence, effects, and prevention of antibiotic resistance. Techniques include screening and harvesting plasmid DNA and transference of plasmid DNA. Prerequisite: Bio 231.

Bio 352 (Demand)

1-3 hrs. cr.

Biomes

An in depth study of a selected ecosystem. The interactions between plants and animals with their abiotic environment are studied in the classroom and during an extended field trip usually lasting one week or more. The habitat chosen for study varies from year to year and some trips require physical conditioning or specialized training. Living conditions range from primitive to reasonably comfortable dormitories. Students are required to bear the cost of the trip. Prerequisites: Bio 112, 122 and permission.

Bio 361 (Demand)

4 hrs. cr.

Parasitology

Systematic investigation of the numerous parasites found in vertebrates. Emphasis on life cycles of parasites that infect humans and domestic animals. Three lectures, one 3-hr. lab per week. Prerequisite: Bio 122.

Bio 362 (F, Even)

4 hrs. cr.

Virology

Structure, classification and life cycles of bacterial, animal and plant viruses, their significance in disease (including cancer) and the use of viruses in modern biological research. The laboratory will stress the cultivation of viruses in bacterial and other cells. Three lectures, one 3-hr. lab per week. Prerequisites: Bio 231 and 305.

Bio 364 (F, Odd)

3 hrs. cr.

Cell Biology

A current perspective on cell biology will be addressed by examining various aspects of cell structure and function. Emphasis will be on communication and regulation mechanisms in both normal and abnormal states. In addition, the historical aspects of cell biology research and the techniques used by researchers will be discussed.

Biology, Chemistry / 67

Specific topics will be chosen each semester depending on current research with the use of primary literature to illustrate important concepts. Prerequisite: Bio 210.

370 (Demand)

3 hrs. cr.

Environmental Health

Contemporary environmental health problems and public protection measures, including public health disease prevention and environmental health hazards. Three lectures per week. Prerequisite: Bio 101 or 121. (Cross-listed in Environmental Health)

Bio 371 (S, Odd)

4 hrs. cr.

Plant Physiology

Introduction to plant physiology emphasizing a review of the cell, plant biochemistry, regulation of plant development and factors producing physiological stress in plants. Three lectures, one 2-hr. lab per week. Prerequisites: Bio 112 and 210.

Bio 380 (S, Odd)

3 hrs. cr.

Epidemiology

Introduction to the concepts, principles and methods useful in the surveillance and investigation of communicable disease. Prerequisites: Bio 101 or 121. (Cross-listed in Environmental Health)

Bio 402 (Demand)

4 hrs. cr.

General Ecology (Writing Intensive) Study of plant and animal communities and their interaction within the environment. Emphasis on flora and fauna of Southwest Missouri and soils, climate and other major environmental factors responsible for the distribution and association of plants and animals. Three lectures, one 3-hr. lab per week. Prerequisites: Bio 112 and 122.

Bio 422 (Demand)

5 hrs. cr.

Invertebrate Zoology

Classification, morphology, physiology, development and evolution of invertebrate animals. Three lectures, two 2-hr labs per week. Prerequisite: Bio 122.

Bio 431 (Demand)

4 hrs. cr.

Animal Physiology

Comparative approach to the physiology of animals with emphasis on laboratory studies of both mammalian and non-mammalian vertebrates. Three lectures and one 3-hr lab per week. Credit toward the biology major granted for only one physiology course: Bio 301 or Bio 431.

Bio 433 (S, Even)

4 hrs. cr.

Histology

Detailed study of microscopic structure of animal tissues and organs with special emphasis on mammalian tissue. Three lectures, one 3-hr. lab per week Prerequisite: Bio 201 or 331.

Bio 440 (F, Odd) 4 hrs. cr. Plant Pathology

Historical significance of plant pathology, the physiological response of plants to abiotic factors, the anatomical and physiological aspects of plant susceptibility to disease and examples of management systems. Includes major diseases caused by bacteria, fungi and viruses. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 112.

Bio 442 (S, Odd)

5 hrs. cr.

Pathogenic Bacteriology

A study of the structure, identification and pathology of the infectious bacteria. Three hours of lecture and two 2-hr. labs per week. Prerequisite:

Bio 450 (F, S)

1-8 hrs. cr.

Internship in Biology

In conference with a departmental board a half semester in advance, the student shall elect to work and observe in any area of applied biology in which on-the-job experience would be beneficial to the students training. Prerequisites: At least a junior standing in biology with a minimum of 20 biology hrs and 20 upper division hrs or by permission.

Bio 456 (S, Even)

4 hrs. cr.

Immunology

Cellular and molecular basis of the immune response in vertebrates including structure, induction and regulation of the immune response. Autoimmune disorders, vaccines, transplantation and diagnostic immunology will also be presented. The laboratory will stress the induction and manipulation of the immune response. Three lectures and one 3-hr. lab per week. Prerequisites: 231 and 305.

Bio 481 (S)

4 hrs. cr.

Aquatic Ecology

Analysis of components of freshwater systems, both impoundment and stream environments. Three hrs. lecture, one 2-hr. lab per week. Prerequisite: Bio 122.

Bio 490 (F, S)

1 hr. cr.

Seminar

Instruction on presenting scientific research with discussion and critique of peer reviewed articles. Students will present a seminar of a biological topic. Primarily for biology majors who have completed their graduation application. One meeting per week.

Bio 498 (Demand)

1-5 hrs. cr.

Seminar in Biology

For upper division majors only. Meets regularly a minimum number of hrs. Designed to give specialized instruction in some discipline of biology not covered in other courses. Prerequisites: Junior standing, 20 hrs. in biology and a minimum GPA of 2.5 in biology or permission.

Bio 499 (F, S)

Problems in Biology

1-3 hrs. cr.

Individual work under the supervision of a staff member, with the credit and hrs. to be arranged. Problems may be undertaken in any field of biology, with adequate preparation and the consent of the supervising instructor, department head and school dean. Prerequisite: Minimum GPA of 3.0 in 20 hrs. of biology.

Chemistry

Reynolds Hall 210, 417.625.9376

Faculty Sloan - Head, Albright, Archer, Garoutte, Mosher, Summerfield

Chemistry graduates will find an impressive array of options and exciting opportunities in fields such as basic research. environmental protection, instrumentation, new product and process development, technical marketing, market research, forensic chemistry, teaching at all levels and information science. Moreover, an education in chemistry is valuable in health sciences such as medicine, pharmacology, clinical chemistry and industrial hygiene. The first step into a future in chemistry is a formal education. Since chemistry is such a broad field and holds diverse career opportunities, students should plan their education with a goal in mind.

Bachelor of Arts with a **Major in Chemistry**

	Semester	Hours
Core Requ		51* 43
The state of the s	anguage (four courses	in
one langua	age)	12
Chemistry	Requirements	31
Chem 101	General Chemistry I**	5
Chem 102	General Chemistry II**	5
Chem 201	Analytical Chemistry I**	5
Chem 320	Computer Applications	
	in Chemistry*	2
AND BOTH		
Chem 301	Organic Chemistry I	5
Chem 302	Organic Chemistry II	5
AND		
Upper Divis	sion Chemistry Electives	
	(4 hrs) excluding	

Chem 300

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OR BOTH		
Chem 300	Intro to Modern Organic	_
	Chemistry	5
Chem 421 AND	Analytical Chemistry II	5
Unner Divis	sion Chemistry Electives	
Opper Divis	50 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
	(4 hrs.) excluding	
	Chem 301 & Chem 302	4
Supporting	g Requirements	14
Phys 151	Elementary College	
	Physics I**	5
Phys 152	Elementary College	
,	Physics II**	4
Math 150	Calculus with Analytic	
Mail 150		5
	Geom I**	5

*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

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**See Prerequisites

Electives

***Must include at least 40 upper division (300 - 400 level) hours.

Note: A bachelor of arts degree in chemistry is for students who need some knowledge of chemistry as a basis for work in other fields but who do not expect to become professional chemists.

Bachelor of Science with a **Major in Chemistry**

Semester Hours			
Core Requirements (p. 33) 51*			
Chemistry	Requirements	35	
Chem 101	General Chemistry I**	5	
Chem 102	General Chemistry II**	5	
Chem 201	Analytical Chemistry I*	* 5	
Chem 301	Organic Chemistry I**	5	
Chem 302	Organic Chemistry II**	5	
Chem 320	Computer Applications		
	in Chemistry*	2	
Chem 401	Physical Chemistry I**	4	
Chem 402	Physical Chemistry II**	4	
Supporting	g Requirements	23	
Phys 160	General Physics I**	3	
Phys 270	General Physics II**	5	
Phys 280	General Physics III**	5	
Math 150	Calculus with Analytic		
	Geometry I**	5	
Math 250	Calculus with Analytic		
	Geometry II**	5	
Electives***			
		124****	

*Required chemistry, physics and mathematics courses satisfy major requirements and 8 hours of the Core Curriculum.

**See Prerequisites

***Suggested Electives (Chem 421, Chem 422, Chem 427, Chem 472, Math 260, Math 322, Phys 372, Phys 341)

****Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in Education with a Major in Unified Science, **Chemistry Endorsement Grades 9-12 Certification** Unified Science with a **Chemistry Endorsement**

Core Requirements (p. 33) 51* 36			
Chemistry Requirements 27			
Chem 201	Analytical Chemistry I**	5	
Chem 301	Organic Chemistry I**	5	
Chem 302	Organic Chemistry II**	5	
Chem 320	Computer Applications		
	in Chemistry	2	
Chem 351	Biochemistry**	4	
Chem 401	Physical Chemistry I**	4	
Chem 496	Problems in Chemistry	2	
Supporting	g Requirements	60	
Phil 420	Philosophy of Science	3	
Bio 101	General Biology	4	
Bio 112	Botanical Survey**	4	
Bio 122	Zoological Survey**	4	
Chem 101	General Chemistry I**	5	
Chem 102	General Chemistry II**	5	
Phys 160	General Physics I**	3	
Phys 270	General Physics II**	5	
Phys 280	General Physics III**	5	
Geol 110	Intro to Geology	5	
Geol 180	Intro to Meteorology	3	
Math 150	Calculus/Analytic		
	Geometry I**	5	

Semester Hours

*Required chemistry, physics, mathematics, psychology and biology courses satisfy major requirements and 15 hours of the Core Curriculum.

Calculus/Analytic Geometry II**

General Ecology

Aquatic Ecology Geol 300 Environmental Geology 4 **Education Certification Requirements**

Environmental Biology

41-42 164-165

**See Prerequisites

Math 250

Select one:

Bio 312 Bio 402

Bio 481

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Minor in Chemistry

	Semester	Hours
Chem 101	General Chemistry I*	5
Chem 102	General Chemistry II*	5
	Analytical Chemistry I*	5
Chem 300	Introduction to Modern	
	Organic Chemistry*	5
OR BOTH		
Chem 301	Organic Chemistry I*	5
Chem 302	Organic Chemistry II**	5
		20-25
*See Prere	auisites	

Suggested Order of Study

Bachelor of Arts Major Code 1905 **Chemistry Major**

Freshman	Year	
1st Semest	er	
Course		Hours
Chem 101	Gen Chem I (Algebra &	Trig) 5
Math 150	Calculus I	5
CORE	[Eng 101 Comp I]	3
CORE	[Kine 103 Lifetime Wellr	ness]2
Psy 120	College Orientation	1
por all ma		16

2nd Semeste	er	
Chem 102	Gen Chem II (Chem 101)	5
CORE	[PSc 120 Gov't:US/Sta/Loc]	3
CORE	[Eng 102 Comp II]	3
CORE	[Hist 110 U.S. History]	3
Chem 320	Computer App. Chem.	2
		16

Sophomore Year				
1st Semeste	r			
Chem 301 OR	Org Chem I* (Chem 102)			
Chem 201	Analy Chem I (Chem 102)	5		
Phys 151	Elem Col Phys I (Math 140)	5		
CORE	[Kine 101 Physical Activity]	1		
Electives	(Sec area of concentration)	5		

2nd Semeste	er
Chem 302	Org Chem II* (Chem 301)
OR	
Chem 421	Analytical Chemistry II
OR	
Chem	[Upper Division Elective]
Phys 152	Elem Col Phys II (Phys 151)
CORE	[Econ 180 Amer Econ Sys]
Electives	(Sec area of concentration)

3

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	Junior Year 1st Semester Chem 201 Analy COR Chem [Upper Foreign Language		I-5 3
	CORE [Comm	100 Oral Comm] ities and Fine Arts] 16-	3 3 3
	2nd Semester Chem 421 Analytic OR	cal Chemistry II	
	Chem [Upper Foreign Language CORE [Psy 10 CORE [Bio 10	Division Elective] 4 0 or Soc 110] 1 General Biology] ities and Fine Arts] 17-	3 3 4 3 18
	Foreign Language	ities and Fine Arts] tional Cultural Stu]	3 3 6 15
)	2nd Semester Foreign Language CORE [Hist 12 Electives	0 or 320 U.S. Hist] 6 12 -	3 3 -7 13
	Student may elect eith of upper division ch 301 and Chem 302) o plus 3 hours of uppe tives (excluding Cher	emistry (excluding of Chem 301 and Cher r division chemistry	Chem m 302
	(Prerequisites) [Department Recomm	nendations]	
	For additional infor Dr. Melvyn Mosher Office: Reynolds I Phone: 417.625.97 E-mail: mosher-m	Hall 242 '33	
	Bachelor of Scien Major Code 1905 Chemistry Major	ce	
	Math 150 Calculus CORE [Eng 10 Comp 110 Program	em I (Algebra & Trig) s I 1 Comp I] nming I Orientation	ours 5 5 3 1

2nd Semes	ter
Chem 102	Gen Chem II (Chem 101) 5
Math 250	Calculus II (Math 150) 5
Phys 160	
	General Physics I (Math 140) 3
Chem 320	Computer App. in Chem 2
CORE	[Kine 101 Physical Activity] 1
	16
Sophomore	Voor
1st Semeste	
Chem 301	Org Chemistry I (Chem 102) 5
CORE	[Eng 102 Comp II] 3
Phys 270	General Physics II
1 1190 270	(Math 150 & Phys 160) 5
Elective	[Math 260 Calc III] (Math 250) 5
Liective	[Mati 200 Calc III] (Mati 250) 5
	18
2nd Semest	ter
Chem 302	Org Chem (Chem 301) 5
Phys 280	Gen Physics III (Phys 270) 5
Elective	[Math 322 Differential
	Equations] (Math 260) 3
CORE	[PSc 120 Gov't:US/Sta/Loc] 3
00112	16
	10
Junior Year	
1st Semeste	
Chem 401	Phys Chem I (Math 250,
	Phys 260)
OR	· 11,0 200)
Elective	[Chem 422 Adv Inorg Chem]4
Licetive	(Chem 102, Math 250)
Chem 201	Analy Chem I (Chem 102) 5
CORE	
	[
CORE	[Kine 103 Lifetime Wellness]2
CORE	[Hist 110 U.S. History] 3
	17
2nd Semest	er
Chem 402	Physical Chem II
0110111 102	(Chem 401) (4)
OR	(Chem 401) (4)
Elective	[Chem 427 Organic Instru.
Liective	Analysis] (Chem 302) (5) 4-5
Floative	
Elective	[Chem 421 Analytical
0005	Chemistry II] (Chem 210) 5
CORE	[Humanities and Fine Arts] 3
CORE	[Bio 101 General Biology] 4
	16-17
0	
Senior Year	
1st Semeste	Phys Chem I (Math 250, Phys 280)
Linem 401	Privs Unem Luviain 250 Privs 280)

S	en	ior	Year	

1st Semeste	er	
Chem 401 OR	Phys Chem I (Math 250, Phys	280)
Elective	[Chem 422 Adv Inorganic C	Chem
	(Chem 102, Math 250)	4
Elective	[Chem 497 Res in Chem]	1
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 120 or 320 U.S. Hist]	3
CORE	[International Cultural Stu]	3
		1/

2nd Semesi	ter
Chem 402	Physical Chemistry II
	(Chem 401) (4)
OR	

Elective [Chem 472 Organic Instru. Analysis] (Chem 302) (5) 4-5

Elective	[Chem 497 Res in Chem]	2
Elective	[Phys 372 Electronic Circuit	is]
	(Phys 280)	4
CORE	[Humanities and Fine Arts]	3
CORE	[Psy 100 or Soc 110]	3
	16-	17

(Prerequisites)

[Department Recommendations]

For additional information contact:

Dr. Melvyn Mosher Office: Reynolds Hall 242 Phone: 417.625.9733

E-mail: mosher-m@mail.mssc.edu

Course Descriptions

Chem 100 (F, S) **Introductory Chemistry** 5 hrs. cr.

5 hrs. cr.

Basic principles and practical applications of inorganic, organic and biochemistry which satisfies the needs of students in certain healthrelated programs. Four lectures, one 3-hr. lab per week. Prerequisite: Math 30 or satisfactory score on the Mathematics Placement Test.

Chem 101 (F, S, SS) General Chemistry I

Introduction to theories of chemistry with emphasis on the relationship of structure to properties of matter and the quantitative aspect of these changes. Four lectures, one 3-hr. lab per week. Prerequisite or corequisite: Math 140 or higher level math course.

Chem 102 (F, S, SS) General Chemistry II

Continuation of Chem 101. Emphasis on the dynamics and thermodynamics of chemical processes and on the properties and reactions of analogous groups of cations and anions. Four lectures, one lab per week. Prerequisites: Chem 101 with a minimum grade of "C" or permission of instructor and Math 140 or higher level math course.

Chem 190 (Demand)

Laboratory in Chemistry

A lower division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSC. This will make the transferred course equivalent to the MSSC course. Class may be repeated for credit as needed.

Chem 201 (F) 5 hrs. cr.

Analytical Chemistry I

Standard first course in quantitative chemical analysis. The lecture and lab include the theory and practice of methods of analysis. While the primary emphasis in the first semester is on the

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interpretation of the experimental results, other aspects of the analytical process are introduced. Three lectures, two 3-hr. labs per week. Prerequisite: Chem 102.

Chem 297 (F, S)

1-3 hrs. cr.

Introduction to Research

in Chemistry (Writing Intensive) Introduction to research techniques; laboratory work and literature search under the supervision of an instructor on a chemical research project. Involves laboratory experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 15 hours of chemistry, 2) freshman or sophomore standing, 3) the ability to undertake independent work and 4) permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 298 (F, S)

1-3 hrs. cr.

Selected Topics in Chemistry

Special topics in chemistry not normally included in other courses. Prerequisite: Chem 201 or permission of instructor.

Chem 300 (F, S)

5 hrs. cr.

Introduction to Modern

Organic Chemistry (Writing Intensive) Principles of organic chemistry-nomenclature, structure, properties, stereochemistry, reactions-will be studied by the functional group approach. Designed for students who require a general knowledge of organic chemistry in their chosen career or as background for other courses in technical or professional training programs. Four lectures, one 3-hr. lab per week. Prerequisite: Chem 102.

Chem 301 (F)

5 hrs. cr.

Organic Chemistry I

Primary emphasis is on the properties, nomenclature, and reactions of aliphatic compounds. The functional group approach is used. A brief introduction to organic reaction mechanisms and spectroscopy is included. Four lectures, one 3-hr lab per week. Prerequisite: Chem 102

Chem 302 (S)

5 hrs. cr.

Organic Chemistry II (Writing Intensive) A continuation of Chem 301. The functional group approach is continued with the study of aromatic and aliphatic compounds. Emphasis is placed on the properties, nomenclature, reactions, and reaction mechanisms of these compounds. Organic spectroscopy is discussed in detail as related to the identification of functional groups and molecular structures. Four lectures, one 3hr lab per week. Prerequisite: Chem 301 with a grade of "C" or better.

Chem 320 (S)

Computer Applications in Chemistry

An introduction to computer applications and software commonly used for scientific study (and in upper-division courses). Students will become proficient in using the operating system, the localarea network, and spreadsheets and graphing

applications, and will be introduced to computer data acquisition and interfacing, internet information sources, and presentation software. This course satisfies the computer literacy requirement for chemistry, biochemistry, biology, and environmental health majors. One lecture, one 3hr lab per week. Prerequisite: Math 130 (or higher) and Chem 101.

Chem 351 (F)

5 hrs. cr.

Biochemistry (Writing Intensive) Fundamental concepts of the chemistry of lipids, carbohydrates and proteins with emphasis on the physiological aspects of these compounds. The interrelationship of these compounds in living systems will be presented through bioenergetics, and chemical mechanisms reaction pathways. Four lectures and one 3-hr. lab per week. Prerequisite: Chem 300 or 302.

Chem 390 (Demand)

1-2 hrs. cr.

Laboratory in Chemistry

A upper division laboratory course to be used by students who are transferring chemistry courses without a laboratory to MSSC. This will make the transferred course equivalent to the MSSC course. Class may be repeated for credit as needed.

Chem 400 (F)

4 hrs. cr.

Elementary Physical Chemistry

A one semester course, designed particularly for biochemical, biological, and pre-professional students, which surveys the fundamentals of physical chemistry. Principles of thermodynamics and chemical kinetics, and their application to aqueous solutions, will be emphasized. Solution equilibria, spectroscopy, and transport processes will also be examined. Three lectures, one 3 hr. lab per week. Note: This course does not meet the requirements for the B.S. in Chemistry. Prerequisite: Chem 102 with a C or better.

Chem 401 (F, Odd)

4 hrs. cr.

Physical Chemistry I

For the first section of the class, a microscopic approach to the understanding of chemical and physical properties of chemical systems is taken. The focus is on quantum theory and molecular spectroscopy. In the last part of the class, a macroscopic approach to the understanding of chemical and physical properties of chemical systems is used. Topics include the laws of thermodynamics and the relationships between the properties of chemical systems at equilibrium. Three lectures, one 3-hr. lab per week. Prerequisites: Math 250 and Phys 280.

Chem 402 (S, Odd)

4 hrs. cr.

Physical Chemistry II

Continuation of Chem 401. A microscopic approach (quantum theory) and the macroscopic approach (thermodynamics) to understanding chemical systems are linked using statistical mechanics. Chemical kinetics is also studied. Three lectures, one 3-hr. lab per week. Prerequisite: Chem 401.

Chem 421 (S, Odd)

5 hrs. cr.

Analytical Chemistry II

Continuation of Chemistry 201. A study of the overall analytical process. Lecture and lab deal mainly with electrochemical and spectrophotometric methods of analysis and their application in chemical analysis, but also include other physiochemical and separatory techniques used in modern analytical processes. Three lectures, two 3-hr. labs per week. Prerequisite: Chem 201.

Chem 422 (S, Even)

4 hrs. cr.

Advanced Inorganic Chemistry

Contemporary state of the several bond models in chemistry, a review of the energetics of reactions and coordination theory, followed by the chemistry of the families of the elements in the periodic table. Three lectures, one 3-hr. lab per week. Prerequisites: Chem 102 and Math 250.

Chem 427 (S, Odd)

5 hrs. cr.

Organic Instrumental

Analysis (Writing Intensive) Designed to familiarize the student with current instrumentation. The approach is through (1) lectures devoted to a particular type of instrumentation and (2) laboratories designed to give handson experience in the working of the instrument. Two 1-hour lectures and two 3-hour labs per week. Prerequisite: 15 hours of chemistry with a grade of "C" or better.

Chem 472 (S, Odd)

4 hrs. cr.

Organic Qualitative Analysis

Systematic identification of organic compounds and mixtures; organic spectroscopy is emphasized. Two lectures, two 3-hr. labs per week. Prerequisite: Chem 302.

Chem 496 (F, S)

2 hrs. cr.

Problems in Chemistry (Writing Intensive) A practical research class especially designed for students seeking a bachelor of science in education with a major in chemistry. The class involves laboratory work and a literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as written report on a project from any area of chemistry. Open to students needing a problems course in chemistry to satisfy Missouri Certification Standards for Secondary Teachers in Chemistry. Students must have a minimum of 20 hours of chemistry and permission of the instructor. Enrollment must be approved by the adviser and the department head.

Chem 497 (F, S)

1-3 hrs. cr.

Research in Chemistry (Writing Intensive) Independent research techniques; lab work and literature search under the supervision of an instructor on a chemical research project. Involves lab experimentation as well as a written report on a project from any area of chemistry. Open to students having 1) a minimum of 20 hours of chemistry, 2) junior or senior standing, 3) the ability to undertake independent work and 4) permission of the instructor. Enrollment must be approved by the adviser and the department head.

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Chem 498 (F, S) Seminar

1-3 hrs. cr.

For upper division chemistry majors. Content varies, depending on the student's needs, from library research to special topics in chemistry. Prerequisite: Senior standing or permission of department head.

Chem 499 (F, S)

1-3 hrs. cr.

Independent Study

Independent investigation techniques; includes a paper on a selected topic with both a critical survey of the chemical literature and results from advanced lab experimentation. Open to students having (1) minimum of 25 hrs. of chemistry, (2) ability to undertake independent work and (3) permission of instructor. Enrollment must be approved by adviser, department head and school dean.

Communications

Webster Hall 352, 417.625.9580

Faculty Moorman - Head, Bryant, Burch, Clark, Cramer, Guzman, Hale, Hou, Karmanova, Kilby, Larson, Mere, Merriam, Nakai, Sartori, Stebbins, Suro, Talavera, Weber, Yocum

A major in communications offers an array of career opportunities in such fields as public communication, television, radio and journalism. In the education process, emphasis is placed on speaking and writing skills as well as gaining technical knowledge related to mass media production and publication. A major in communications is one of the most diversified areas of study available to students who wish to excel in business, industry, government or education at the local, state, national and international levels. Missouri Southern graduates in communications have found successful careers in the media, in government, in education and in a variety of public relations positions for hospitals, state and national associations, in retailing and in industry.

Students pursuing a bachelor of arts degree in communications have four options. Option I, speech communication, examines the role of human communication in social, organizational, political and cultural interactions. This option places a balanced focus on the theory and practice of communicating. Special emphasis includes identifying the antecedents of communication, its form

and content and its consequences. Option II, mass communications, offers students the necessary abilities in planning, preparing and producing programs in electronic media and/or designing and writing for journalism. This option emphasizes the technical skills, creativity and demand for understanding target audiences in mass media. Students gain hands-on experience in television, radio and print laboratories. Option III, international communication, permits a student to develop a field of specialty in global aspects of the communication process. Option IV, public relations, allows a student to develop a specialty the aspects of promoting and showcasing organizations. Also available is a bachelor of science degree in education with a teaching emphasis in speech communication and theatre.

The communications department oversees the student operations of Missouri Southern Television with its cable service and broadcast station KGCS. The department also manages KXMS, a 24-hour-a-day classical radio station professionally operated with students and community volunteers. Perhaps the most widely recognized contribution of the communications department is The Chart, a student operated college newspaper published once a week. The Chart has been honored by the Society of Professional Journalists as the best nondaily college newspaper in the nation. Additionally, the department publishes Crossroads: the Magazine.

Students also have opportunities to participate in other communications-sponsored activities. The debate and forensics program offers students the chance to develop their critical thinking skills and to participate in events such as informative, persuasive and extemporaneous speaking competitions. Debate and forensics students may join the forensic honor society of Pi Kappa Delta. Communications majors interested in mass media may join Southern's chapter of the national broadcast fraternity of Alpha Epsilon Rho and participate in its state, regional and national conventions. The department also sponsors the Modern Communications Club which plans on-campus events and off-campus field trips for students interested in communications activities. The club expands the scope of communications to include foreign language speakers.

Internships are encouraged for communications majors. These internships allow students to gain work experience in occupa-

tional positions they may wish to pursue. Students work under the joint supervision of a faculty member and a representative of the organization providing the intern experience.

The communications curriculum acknowledges the diversity and inter-connectedness among peoples, promotes an understanding of human values and prepares its students for leadership in a competitive world.

Core Curriculum requirements for all students of the College include Comm 100, Oral Communication.

Bachelor of Arts with a Major in Communications Option I: Speech Communication

Semester Hours			
Core Requi	irements (p. 33)	51	
Computer	Literacy Requirement:		
Comp 105	Intro to Micro Use	3	
Foreign La	nguage (four courses in	n	
	one language)	12	
Communic	ations Requirements	47	
	Introduction to Human		
	Communication	3	
Comm 131	Voice and Diction	3	
Comm 215	Interpersonal		
	Communication*	3	
Comm 300	Organizational		
	Communication*	3	
Comm 303	Advanced Public		
	Speaking*	3	
Comm 304	Small Group		
	Communication*	3	
Comm 420	Mass Communications		
	Theory*	3	
Comm 492	Communication Issues*	3	
Communica	tion Electives	23	
Electives		11	
		124**	

^{*}See Prerequisites

Bachelor of Arts with a Major in Communications Option II: Mass Communications

Semester Hours	
Core Requirements (p. 33)	51
Computer Literacy Requirement:	
Comp 105 Intro to Micro Use	3
Foreign Language (four courses in	
one language)	12

^{**}Must include at least 40 upper-division (300-400 level) hours.

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<i>(2 Communications</i>		
Communications Requirements	47	IntS
Comm 101 Intro to Human		
Communication	3	IntS
Comm 111 Newswriting	3	
Comm 215 Interpersonal		Ele
Communication*	3	
Comm 220 Practicum in		
Communications*	2	Ele
(Student must select two different activ	vities.)	
Comm 310 Communication Law	3	
Comm 325 Broadcast News		*Se
Reporting*	3	**M
Comm 330 Advanced Communication	ons	***
Practicum*	1	(30
Comm 420 Mass Communications		,
Theory*	3	
Comm 492 Communication Issues*	3	Ba
Communication Electives	23	Ma
Electives	11	
	124**	Op
*See Prerequisites		
**Must include at least 40 upper di	vision	
(300-400 level) hours. Course num		Co
300 and above in history, political sc		Co
sociology, business and psycholog		Foi
recommended.	, are	
Toolinii olidod.		Co
Bachelor of Arts with a		Co
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Bachelor of Arts with a Major in Communications Option III: International Communication

Semester Hours Core Requirements (p. 33) 51 Foreign Language (four courses in one language) 12 **Communications Requirements** 21 Comm 101 Intro to Human Communication 3 Comm 215 Interpersonal Communication* Comm 305 Intercultural Communication* 3 Comm 405 Advanced Intercultural Communication* 3 Comm 420 Mass Communications Theory* Comm 492 Communication Issues* Comm 475 Global Broadcasting* OR Comm 493 International Communication 3 International Studies Requirements 18 IntS 201 Introduction to International Studies 3

World Humanities*

Issues*

Civilizations*

World Environmental

Contemporary World

IntS 301

IntS 302

IntS 303

IntS 304	Comparative Political	
	Economy*	3
IntS 305	International	
	Techno-Trends*/**	3
Electives	in communications/	
, which is a second	approved international	
	courses	8
Electives		14
	and the second second	24***

*See Prerequisites

**Meets computer literacy requirement.

***Must include at least 40 upper-division (300-400 level) hours.

Bachelor of Arts with a Major in Communications Option IV: Public Relations

Semester Hours

Core requirements 51

Computer literacy requirement 3

Foreign Language (four courses in one language) 12

Communications Requirements 47

Comm 101	Intro to Human				
	Communication	3			
Comm 111	Newswriting	3			
Comm 215	Interpersonal				
	Communication	3			
Comm 200 OR	Audio Production for Med	lia			
Comm 201 OR	Video Production				
Comm 431	Electronic Field Production	n*			
	(431 is 2 hr. course)	3			
Comm 311	Intro to Public Relations	3			
Comm 310	Communication Law	3			
Comm 325	Broadcast News Reportin	ig			
OR					
Comm 333	Copy Editing	3			
Comm 340	Research in				
	Communications	3			
Comm 355	Case Studies in				
	Public Relations	3			
Comm 455	Public Relations Writing	3			
Comm 470	New Media Technology	3			
Comm 492	Communications				
	Issues	3			
Communic	Communications Electives 11				
(12 if Comm	431 is elected as choice, at	oove)			

* With permission of instructor

Total

3

3

** Must include at least 40 upper division (300-400 level) hours. Courses numbered 300 and above in Communications are recommended, as well as the following: Comm 345, Internship in Communications (strongly recommended); Comm 300, Organizational Communication; Comm 303, Advanced Public Speaking; Comm 335, Feature Writing.

Bachelor of Science in Education with a Major in Speech Communication and Theatre Grades 9-12 Certification Plan B Single Teaching Field

Semester Hours Core Requirements (p. 33) 51* **Computer Literacy Requirement:** Educ 301 Use of Computer Software in the Classroom 3 **Communications Requirements** 20 Comm 101 Intro to Human 3 Communication Comm 215 Interpersonal Communication** 3 Comm 304 Small Group 3 Communication** Comm 315 Argumentation and Debate** 3 Electives in Communications*** 8 **Theatre Requirements** 20 Th 121, 122, 221, or 222 Theatre Laboratory 2 Th 142 Theatre Technology 3 Th 212 Oral Interpretation 3 Th 234 Intro Theatrical Design Th 241 Acting I (WI) Th 331 History of Theatre (WI) OR Th 332 History of Theatre (WI) 3 Th 351 Directing** 3 **Electives Education Certification Requirements** (p. 167) 40-41**** 39-42 133-136

*Required course in psychology counts 3 hours toward Core Curriculum requirements, Area 3C.

**See Prerequisites

***Must be approved in advance by the student's adviser who must be selected from either the area of speech communication or theatre.

****Two credit hours are satisfied by Educ 301.

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					001	iiiiuiiivatioiis į	
Minor in Mass Communicat	ions	Sophomore	Year	en med	2nd Semest	er	
		1st Semeste	er		Foreign Lan		3
Semester	Houre	Foreign Lan		3	CORE	[Eng 102 Comp II]	3
		CORE	[Kine 101 Physical Activity]		CORE	[Kine 103 Lifetime Wellne	-
Comm 111 Newswriting	3	CORE	[Humanities and Fine Arts]		CORE	[Econ 180 Amer Econ Sys	
Comm 310 Communication Law	3	Comm 215		3	Comm 130	Intro to Broadcasting	3
Comm 325 Broadcast News		Comm	Elective	3	Comm 131	Voice and Diction	3
Reporting	3	Elective		3			17
Communications electives*	9			16			
	18				Sophomore		
		2nd Semest		•	1st Semeste		0
*Electives must be above the 100 lev	el and	Foreign Lan		3	Foreign Lan		3 vl 1
must be chosen in consultation with		CORE	[Humanities and Fine Arts] [PSc 120 Gov't:U.S./Sta/Lo		CORE	[Kine 101 Physical Activity [Humanities and Fine Arts	
viser from the communications depart		Comm	Elective	3	Comm 215	Interpersonal Comm	3
A student may emphasize either th		Electives	Elective	3	Comm 200	Radio Production	0
or broadcast media.	e pilit	Electives		15	OR OR	Hadio i roddellori	
or broadcast media.				10	Comm 201	TV Production	3
		Junior Year			Comm 220	Practicum In Comm	1
	Section 4	1st Semeste			00111111 220		14
Minor in Speech Communic	ation	Comp 105	Intro to Micro Use	3			
		CORE	[Humanities and Fine Arts]		2nd Semest	ter	
Semester	Hours	CORE	[Biology]	4	Foreign Lan		3
Comm 101 Intro to Human Comm	3	Comm 300	Organizational Comm	3	CORE	[Humanities and Fine Arts	3
Comm 215 Interpersonal Comm	3	Comm 304	Small Group Comm	3	Comm 200	Radio Production	1007
				16	OR		
Comm 303 Advanced Public Speakir					Comm 201	TV Production	3
Speech Comm Electives numbered		2nd Semest	er		Comm 220	Practicum in Comm	1
300 and above	9	CORE	[Phys 100 Fund of Phys S	cil 5	CORE	[Math 125 Cont Math]	3
	18	CORE	[Psy 100 or Soc 110]	3	Electives		3
		CORE	[Hist 110 U.S. History]	3			16
Electives must be chose in consultation	on with	Comm 303	Adv Public Speaking	3			
advisers from the Speech Commun	ication	Comm	Elective (upper division)	3	Junior Year	r	
faculty.				17	1st Semeste		Botton.
					Comp 105	Intro to Micro Use	3
		Senior Year			CORE	[Humanities and Fine Arts	-
		1st Semeste			CORE	[Biology]	4
		CORE	[Hist 320 U.S. History]	3	Comm 320	Advanced TV Production	
		Comm	Electives (upper division)	9	Comm 325	Broadcast News Reporting	
Ourseasted Order of Ctudy		Elective	(upper division)	3			16
Suggested Order of Study				15	2nd Semest	tor	
					CORE	[Phys 100 Fund of Phys S	Scil 5
Bachelor of Arts		2nd Semest		0	CORE	[Psy 100 or Soc 110]	3
Major Code 0600			Mass Comm Theory [Comm 305 Intercul Comm	3	Comm 301		3
Communications Major		CORE		6		Comm Law	3
Speech Comm Option		Comm	Electives (upper division) Comm Issues	3	Comm	Elective	3
Speech Commi Option		Comm 492	Commissues	15	Comm	Liodivo	17
Freehman Voor		Electives sh	ould be selected in consultat				
Freshman Year 1st Semester			to meet desired career goals		Senior Year	r Tomo Manager	
	Hours	the adviser	to meet desired career goals		1st Semeste		
Course Foreign Language	3	Denartmen	t Recommendations]		CORE	[Hist 110 U.S. History]	3
CORE [Eng 101 Comp I]	3	[Departmen	ricoommendatione		CORE	[PSc 120 Gov't: U.S./Sta/	Loc]3
CORE [Comm 100 Oral Comm]	3				Comm 330	Adv Comm Practicum	1
CORE [Math 125 Cont Math]	3	Bachelor	of Arto		CORE	[Comm 305 Intercul Com	m] 3
Psy 120 College Orientation	1				Comm	Elective (upper division)	3
Comm 101 Intro to Human Comm	3	Major Cod			Elective	(upper division)	3
Committee market committee and	16		cations Major				16
			nmunications Option				
2nd Semester		Broadcas	t Emphasis		2nd Semest		
Foreign Language	3				CORE	[Hist 320 U.S. History]	3
CORE [Eng 102 Comp II]	3	Freshman	Year		Comm 420		3
CORE [Kine 103 Lifetime Wellnes	ss] 2	1st Semeste	er		Comm 492		3
CORE [Econ 180 Amer Econ Sys		Foreign Lan		3	Electives	(upper division)	3
Comm 131 Voice and Diction	3	CORE	[Eng 101 Comp I]	3			12
	14	CORE	[Comm 100 Oral Comm]	3			
		Comm 101	Intro to Human Comm	3			
		Comm 111	Newswriting	3			

Comm 111

Psy 120

Newswriting

College Orientation

3

1 16

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Electives should be chosen in consultation with the adviser to meet desired career goals. Courses in history, business, political science, sociology, psychology, art and theatre all may be appropriate.

[Department Recommendations]

Bachelor of Arts Major Code 0601

Communications Major Mass Communications Option Newspaper Emphasis

Freshman Year

	i lesiillali i	cai		
1st Semester				
	Foreign Lang	juage	3	
	CORE	[Eng 101 Comp I]	3	
	CORE	[Comm 100 Oral Comm]	3	
	Comm 101	Intro to Human Comm	3	
	Comm 111	Newswriting	3	
	Psy 120	College Orientation	1	
			16	
	2nd Semeste	er		
	Foreign Lang	juage	3	
	CORE	[Eng 102 Comp II]	3	
	CORE	[Math 125 Cont Math]	3	
	CORE	[Kine 101 Physical Activity]	1	
	Comm 220	Practicum in Comm	1	
	Elective		3	
			14	

Sophomore Year

1st Semester		
Foreign Lang	juage	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Econ 180 Amer Econ Sys]	3
Comm 215	Interpersonal Comm	3
Comm 220	Practicum in Comm	1
Comm	Elective [Comm 332	
	Feature Writing]	3
	1	5

2nd Semester

Foreign Lan	guage	3
CORE	[Humanities and Fine Arts]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
Elective	[Comm 333 Copy Editing]	3
		5

Junior Year

1st Semester		
Comp 105	Intro to Micro Use	3
CORE	[Humanities and Fine Arts]	3
CORE	[Biology]	4
Comm 325	Broadcast News Reporting	3
Comm 330	Adv Comm Practicum	1
		14

2nd Semester

CORE	[Humanities and Fine Arts]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Hist 110 U.S. History]	3
Comm 310	Comm Law	3
Comm	Elective (upper division)	3
		-

Summer	
[Comm 345] [Internship]	8
	8

Senior Year

Comm 492

Electives

1st Semester		
CORE	[Hist 320 U.S. History]	3
Comm	Electives [upper division]	6
Electives	[upper division]	4
		13
2nd Semeste	er	
Comm 420 M	lass Comm Theory	3
CORE	[Comm 305 Intercul Comm]	3

Comm Issues

(upper division)

Electives in communications should be chosen in consultation with the adviser to meet desired career goals. Other electives should be chosen in an area of minor concentration or in a supportive role to career goals. Courses in history, business, political science, sociology and psychology are strongly recommended.

[Department Recommendations]

Bachelor of Arts

Major Code 0602

Communications Major International Communication Option

Freshman Year 1st Semester

CORE	[Eng 101 Comp 1]	3
CORE	[Math 125 Cont Math]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity]	1
Foreign Lang	juage	3
Comm 101	Intro to Human Comm	3
Psy 120	College Orientation	1
		17
2nd Semeste	r	
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Art/Mus/Th 110 Apprec.]	3
CORE	[Kine 160 Lifetime Wellness]	2
Foreign Lang	uage	3
Elective	[Hist 140 World Civil]	3
		17

Sophomore	Year	
1st Semeste	r	
CORE	[Hist 110 U.S. History]	3
CORE	Phys 100 Fund of Phys Sci]	5
Foreign Lang		3
IntS 201	Intro to Int'l Studies	3
Comm 215	Interpersonal Comm	3
		17
2nd Semeste	er	
CORE	[Bio 101 General Biology]	4

Comp Political Economy

[Econ 201 Prin of Econ]

[Eng 261 Mstrpcs of Wld Lit] 3

3 16

Foreign Language

IntS 304

CORE

CORE

Junior Year

1st Semester		
CORE	[Hist 120/320 U.S. History]	3
Foreign Lang	juage	3
IntS 301	World Humanities	3
CORE	[Eng 262 Mstrpcs of Wld Lit]	3
Comm 305	Intercultural Comm	3
IntS 303	Contemporary World Civ	3
	1	8

2nd Semeste	er	
CORE	[Psy 100/Soc 110]	
Foreign Lang	guage	
IntS 302	World Environmental Issues	3
Comm 475	Global Broadcasting	
OR		
Comm 493	International Comm	
Electives		
		1

3

3

3 3

Senior Year

3

1st Semester	r	
IntS 305	International Techno-Trends	3
Comm 405	Adv Intercultural Comm	3
Comm 420	Mass Comm Theory	3
Comm 492	Communication Issues	3
		12

2nd Semest	ter	
IntS 400	Sr Thesis in Int'l Studies	3
Electives		9
		12

[Department Recommendations]

Bachelor of Arts

Major Code 0603 **Communications Major Public Relations Option**

Freshman Year

i i comman	Icai	
1st Semeste	er	
Foreign Lang	guage	3
CORE	[Eng 101 Comp 1]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 101 Physical Activity]	1
Comm 101	Intro to Human Comm	3
Comm 111	Newswriting	3
Psy 120	College Orientation	3
		16

2nd Semester

Foreign Lang	guage	3
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc]	3
CORE	[Kine 160 Lifetime Wellness]	2
CORE	[Math 125 Cont Math]	3
Comm 215	Interpersonal Communication	3
	1	7

Sophomore Year

1st Semeste		
Foreign Lang	guage	3
CORE	[Art/Mus/Th 110 Apprec.]	3
CORE	[Econ 180 Amer Econ Sys]	3

Communications / 75

0	Comm 200	Audio Production for Media (3)		Bachelor o	of Science in Education	
	OR	The Sandy of Commission of the Control			eatre Major	
	Comm 201 OR	Video Production (3)		Grades 7-1	2 Certification	
	Comm 431	Electronic Field Prod. (2) 2	-3	(Plan B) Si	ingle Teaching Field	
	Conm 310	Communication Law	3	F V		
	Comm 311	Intro to Public Relations	3	Freshman Y		
		17-	18	1st Semeste	Intro to Human Comm	2
				CORE 101	[Comm 100 Oral Comm]	3
	2nd Semest		•	CORE	[Eng 101 Comp I]	3
	Foreign Lang		3	CORE	[Math 125 Cont Math]	3
	CORE	[Bio 101 General Biology]	4	CORE	[Biology]	4
	Comm 340	Research in Comm	3	Psy 120	College Orientation	1
		New Media Technology	3	Educ 100	Intro to Tchr Educ I	1
	Comm 492	Communiaction Issues	16	2440 100		18
-			10			
	Junior Year			2nd Semeste	er	
	1st Semester			Psy 100	General Psychology	3
	Comp 105	Intro to Micro Use	3	Th 122	Theatre Lab	2
	CORE	[Humanities and Fine Arts]	3	Th 142	Theatre Technology	3
	CORE	[Phys 100 Fund of Phys Sci]		CORE	[Eng 102 Comp II]	3
	Comm 220	Practicum in Comm	1	CORE	[Humanities and Fine Arts]	3
	Comm 455	Public Relations Writing	3	CORE	[Hist 110 U.S. History]	3
	Comm	Elective [Upper Division]				17
		[Comm 335 Feature Writing]	3	0	V	
			17	Sophomore 1st Semeste		
				Take C-Base		
	2nd Semest			Comm	Elective	3
	CORE	[Hist 110 U.S. History]	3	Comm 215	Interpersonal Comm	3
-	CORE	[Humanites and Fine Arts]	3	Psy 301	Adolescent Psychology	3
	CORE	Behavioral Science	2	Th 241	Acting I	3
	Comm 355	[Psy 100 Gen. Psy.] Case Studies in P. R	3	CORE	[Humanities and Fine Arts]	3
	Comm 220	Practicum in Comm	1	CORE	[Kine 103 Lifetime Wellness]	
	Comm 325	Broadcast News Reporting	FOR SELECT	Educ 200	Intro to Tchr Educ II	1
	OR	Droddodd Now Troporting				18
	Comm 333	Copyediting	3			
			16	2nd Semeste		
					mission to teacher education.	
	Senior Year			Psy 310 Educ 302	Educational Psychology	2
	1st Semeste			Th 212	The Exceptional Child Oral Interpretation	3
	CORE	[Hist 120 U.S. History]	3	Th 234	Intro to Theatrical Design	3
	CORE	International Cultural Studie	esj	CORE	[Humanities and Fine Arts]	3
		[Comm 305 International	2	CORE	[Kine 101 Physical Activity]	1
	Comm	Cultural Studies]	3	Educ 301	Use of Computer Software	3
	Comm	Elective [Comm 303 Adv Public Speaking]	3		in the Classroom	
	Comm	Elective [Comm 420 Mass	· ·			17
	0011111	Comm Theory]	3			
	Comm	Elective [Upper Division]	3	Junior Year		
			15	1st Semeste		
					competencies.	1
	2nd Semest			Educ 329	Ped Theo, Meth & Prac	4 2
	Electives	[Upper Division]	4	Educ 321 Comm 304	Microteaching Secondary Small Group Comm	3
		[Comm 345 Internship]	8	Comm 315	Argumentation and Debate	3
			12	Th 331	History of the Theatre	3
				Educ 423	Classroom Management	2
						17
-				2nd Semeste	er	
				CORE	[Comm 305 Intercul Comm]	
				CORE	[Phys 100 Fund of Phys Sci	
				CORE	[PSc 120 Gov't:U.S./Sta/Loc	-
-				CORE	[Econ 180 Amer Econ Sys]	3
				Educ 422	Content Area Literacy:	0
-					Secondary	2

Senior Year

1st Semester

Apply for student teaching. All course work must be completed except for Professional Semester courses.

Th 351	Directing I	3
CORE	[Hist 320 U.S. History]	3
Educ 412 or	Educ 420* or Psy 412	2-3
Electives		6
		1/15

2nd Semester

Zilu Seilleste	71		
Educ 402	Foundations of Educ (WI)	2	
Educ 432	Critical Issues in Education	2	
Educ 344	Teaching Speech & Theatre)	
	in Sec. Schools	2	
Educ 462	Student Teaching	8	
		14	

[Department Recommendations]

*Must be taken prior to the student teaching semester.

For additional information contact:

Dr. J. R. Moorman

Office: Webster Hall 362 Phone: 417.625.3105

E-mail: moorman-j@mail.mssc.edu

Course Descriptions

Comm 041 (F,S) 3 hrs. cr.

Intermediate Grammar

This course is designed to assist ESL students in becoming more proficient in comprehending and using high-frequency grammatical structures in the context of a paragraph. Students will receive instruction and practice in sentence level skills using Standard American English. Prerequisite: None.

Comm 042 (F,S) 3 hrs. cr. Intermediate Listening and Speaking

This course is designed to assist ESL students in imporving their listening, speaking and pronunciation skills necessary for pursuing a higher education in an American college or university. Students will receive instruction and practice in intermediate level communicative skills involving correct pronunciation of Standard American English, conversations on a wide variety of culturally appropriate topics, and listening comprehension. Prerequisite: None.

Comm 043 (F,S) 3 hrs. cr.

Intermediate Reading and Culture

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This course is designed to assist ESL students in imporving their reading proficiency in order to strengthen their college academic skills and develop learning strategies necessary for pusuing a higher education in an American college or

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university. Students will receive instruction and practice in basic and intermediate level reading skills. Through recreational reading, students will be introduced to and gain knowledge of American culture. Prerequisite: None.

Comm 044 (F,S)

3 hrs. cr.

Intermediate Composition

This course is designed to assist ESL students in becoming more proficient in intermediate composition skills in order to further prepare the students for college level courses. The course will offer students practice and instruction in paragraph writing using Standard American English. Moreover, the course will help the students read analytically for main and supporting ideas and to expand their vocabularies through the study of word forms and meanings. Prerequisite: None.

Comm 061 (F,S)

Advanced Grammar

This course is designed to assist ESL students in becoming more proficient in comprehending and using high-frequency grammatical structures in the context of a paragraph. Students will receive instruction and practice in sentence level skills using Standard American English. Prerequisite: None.

Comm 062 (F,S)

3 hrs. cr.

Advanced Listening and Speaking

This course is designed to assist ESL students in imporving their listening, speaking and pronunciation skills necessary for pursuing a higher education in an American college or university. Students will receive instruction and practice in advanced level communicative skills involving correct pronunciation of Standard American English, conversations on a wide variety of culturally appropriate topics, and listening comprehension. Prerequisite: None

Comm 063 (F,S)

3 hrs. cr.

Advanced Reading and Culture

This course is designed to assist ESL students in imporving their reading proficiency in order to strengthen their college academic skills and develop learning strategies necessary for pusuing a higher education in an American college or university. Students will receive instruction and practice in high intermediate and advanced level reading skills. Through recreational reading, students will be introduced to and gain knowledge of American culture. Prerequisite: None.

Comm 064 (F,S)

3 hrs. cr.

Advanced Composition

This course is designed to assist ESL students in becoming more proficient in advanced composition skills in order to further prepare the students for college level courses. The course will offer students practice and instruction in paragraph and essay writing using Standard American English. Moreover, the course will help the students read analytically for main and supporting ideas and to expand their vocabularies through the study of word forms and meanings. Prerequisite: None.

Comm 100 (F, S)

Oral Communication

3 hrs. cr.

Principles of oral communication, including speaking and listening competencies and skills. Primary emphasis is on presenting various types of speeches and improving listening ability. Research, organization, reasoning, language and evaluation skill development are included. Three contact hrs. per week. (Required of all degree candidates.)

Comm 101 (F, S)

3 hrs. cr.

Introduction to Human Communication

An introductory survey of the field of communication, exploring theoretical and research foundations. Included are discussions of language and verbal interaction and nonverbal communication. Contexts of communication are covered: interpersonal, group and organizational, public, intercultural and mass. Also covered will be career opportunities for students who choose a major or minor in communication.

Comm 111 (F, S)

3 hrs. cr.

Newswriting

Development of techniques in reporting and writing for a newspaper. Work on the College newspaper, The Chart, is required. Prerequisite: English 80, or completion or concurrent enrollment in English 101 or above, or permission of instructor.

Comm 121 (F, S)

(Per Sem.) 1 hr. cr.

Forensics Workshop

A practicum in forensics, including research, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of 4 hrs. of credit.

Comm 130 (S)

3 hrs. cr.

Introduction to Broadcasting

The role of the mass media industries, their interactions with one another and their impact on society. An introduction to the varied aspects and functions of the mass media professions.

Comm 131 (F, S)

3 hrs. cr.

Voice and Diction

Techniques for improving the speaking voice. Attention to voice production, phonetics, pronunciation and vocal expressiveness.

Comm 200 (S)

3 hrs. cr.

Audio Production for Media

Principles and techniques of sound pickup and audio control. Basic techniques of microphone use, control board operation and recording. Projects are taped for analysis and critique. Two hours of lecture, two hours of laboratory per week. Prerequisite: Comm 131.

Comm 201 (F)

3 hrs. cr.

Video Production

Intensive practice in preparation and production of television programs. Camera techniques, floor setups and direction of crews and talent. Interviewing techniques. Development of varied on-theair skills. Two hrs. lectures, 2 hrs. lab per week.

Comm 205 (S, Even)

Listening

A study of the role listening plays in our daily lives. Emphasis on the listening process, types of listening skills, response strategies and what our listening behaviors communicate to others. Intensive practice for those who recognize the importance of genuine listening and wish to acquire proficient listening abilities.

Comm 215 (F, S)

3 hrs. cr.

Interpersonal

Communication

(Writing Intensive)

Person-to-person communication with emphasis on dyadic and group communication. Lecture, reading and discussion with class experiments designed to illustrate interpersonal communication problems. Prerequisite: Comm 100.

Comm 220 (F, S)

(Per Sem.) 1 hr. cr.

Practicum in Communications

Laboratory experience on the staff of the College newspaper, yearbook, or broadcast media. Students will participate fully in the work of the media, working under the supervision of faculty members. A minimum of 5 hrs. per week is reguired. One hr. of credit each term for a maximum of three terms. Prerequisite: for The Chart or Crossroads, Comm 111; for KXMS, Comm 200; for TV, Comm 201.

Comm 245 (F, S)

(Per Sem.) 2 hr. cr.

Media Career Exploration

Laboratory experience on the staff of the College newspaper, yearbook, or broadcast media. Students will participate fully in the work of the media, working under the supervision of faculty members. A minimum of 5 hrs. per week is reguired. One hr. of credit each term for a maximum of three terms. Prerequisite: for The Chart or Crossroads, Comm 111; for KXMS, Comm 200; for TV, Comm 201.

Comm 298 (Demand)

1-8 hrs. cr.

Selected Topics in Communications

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in syllabus.

Comm 300 (F)

3 hrs. cr.

Organizational Communication

The interface between communication theory and organizational structure. Emphasis upon communication problems in organizations, strategies for overcoming such problems and the design of effective communication systems in organizational settings. Prerequisite: Comm 101 and 215.

Comm 301 (S, Even)

Media Management

Concepts for managing media organizations, including leadership, motivating employees, community involvement, legal aspects, ethics, audience targeting, policy determination, media organizational patterns, marketing, ownership in-

fluences, planning and decision making.

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Comm 302 (Demand)

3 hrs. cr.

Photocommunications

Theory and practice of communication through the medium of photography. Students work on the photography staffs of college publications and deal with the application of photography to the mass media. Prerequisite: Comm 111 and a knowledge of photographic techniques, including developing and printing.

Comm 303 (S)

3 hrs. cr.

Advanced Public Speaking

Performance-based experiences to promote proficiency in the presentation and criticism of oratory. Emphasis on refining the art of informative and argumentative speechmaking. Prerequisite: Comm 100.

Comm 304 (F)

3 hrs. cr.

Small Group

Communication (Writing Intensive) Small group context of interpersonal communication emphasizing group behavior and human relations. Specific units include group problem solving, decision making and leadership style. Prerequisite: Comm 100.

Comm 305 (F, S)

3 hrs. cr.

Intercultural

Communication (Writing Intensive) Analysis of variables influencing communication among peoples from different cultures. Emphasis on developing interpersonal skills needed in multicultural encounters. Prerequisite: Comm 100. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.)

Comm 306 (S)

3 hrs. cr.

Persuasion

A theoretical examination of the principles of influencing individuals and groups, a history of rhetoric and modern application of these principles to various areas of social interaction. Prerequisite: Comm 100.

Comm 307 (F)

3 hrs. cr.

Professional Interviewing

Designed to prepare students for professional fields which require information-seeking and gathering, decision-making, interaction skills and self-expression. The students will participate in a variety of simulated and actual interviewing situations as both an interviewer and interviewed. Prerequisite: Comm 100.

Comm 308 (S. Odd)

3 hrs. cr.

Gender Communication

The pragmatics of gender-related communication refers to the study of the embedded contexts of male-female symbolic interaction. This introduction to the field of gender communication will look at interpersonal, organizational and cultural contexts. Prerequisite: Comm 100.

Comm 309 (Demand)

3 hrs. cr.

World Cinema

Covers the most important facets of cultural literacy in cinematography, one of the essential aspects of modern culture in our century. Includes a very strong writing component.

Comm 310 (S)

3 hrs. cr.

Communication Law

Statutes, administrative regulations and court decisions affecting freedom of information, censorship, libel, privacy, contempt of court, obscenity, legal access, copyright, advertising and broadcasting. Rights, privileges and obligations of the press.

Comm 311 (S)

3 hrs. cr.

Introduction to Public Relations

Nature and scope of public relations and its relationship to interpersonal and interdisciplinary conduct. Basic elements of public relations including planning, special events, speeches, news releases, annual reports, financial reporting, visual and electronic media techniques.

Comm 315 (F, Even)

3 hrs. cr.

Argumentation and Debate

The theory of the modern forms of evidence, evaluations, arguments, methods of refutation and ethical relationships of these methods in a free society. Electronic tournament administration software is used. (Meets certification requirements for secondary education.) Prerequisite: Comm 100.

Comm 320 (S)

3 hrs. cr.

Advanced Video Production

Focuses on the elements of producing and directing video programs. Students spend laboratory time learning techniques of producing programs for the College's television station. One hr. lecture, 4 hrs. lab each week. Prerequisite: Comm 201.

Comm 321 (F, S)

(Per Sem.) 1 hr. cr.

Forensics Workshop

Advanced practicum in the area of forensics, including research, organization and presentation of the current debate proposition along with development and presentation of individual events. May be repeated for a maximum of 4 hrs. of credit. Prerequisite: Junior or senior standing and Comm 121.

Comm 325 (F)

3 hrs. cr.

Broadcast News

(Writing Intensive) Reporting Experience in writing and reporting news for broadcast. Interview assignments, wire rewriting, and actualities. Computer laboratory experience. Prerequisite: Comm 111.

Comm 330 (F, S)

1 hr. cr.

Advanced Communications Practicum

Intensive laboratory experience on the staff of the College newspaper, yearbook, broadcast media or on special communications projects. Students will work for a minimum of 5 hrs. per week in positions of major responsibilities. May be repeated for a maximum of 6 hrs. of credit. Prerequisite: Junior or senior standing; media courses to prepare student adequately for work expected; Comm 220 or permission.

Comm 331 (F, S)

2 hrs. cr.

Advanced Newspaper Practicum

Intensive lab experience with opportunities for major leadership position on the staff of the College newspaper. Students will participate fully in the publication of the newspaper working under the supervision of a faculty member. One class session plus a minimum of ten working hours per week are required. Attendance at a weekly newspaper staff meeting also is required. Two hours of credit each term for a maximum of two terms. Prerequisite: Comm 220 and 330.

Comm 333 (S,Odd)

3 hrs. cr.

Copy Editing

An examination of the newspaper copy editor's role and the editing process. Emphasis on spelling, grammar, the Associated Press Stylebook, editing for accuracy and fairness, coaching writers, writing headlines, and designing pages. Two hours laboratory experience on the College newspaper, The Chart, each week. Prerequisite: Comm 111.

Comm 335 (F,Even)

3 hrs. cr.

Feature Writing

Finding and writing newspaper features and magazine articles, including profiles, columns, reviews, investigative pieces, travel stories, and history articles. A focus on developing and selling story ideas. Work on the College newspaper, The Chart, is required. Prerequisite: Comm 111 or consent of instructor.

Comm 340 (S, Odd)

3 hrs. cr.

Exploration Research in Communications

An introduction into the process of research in communications. Using a variety of research approaches to look at different communication artifacts, classroom focus is on the finding, nature, and evaluation of research. Research methods process is applied to popular communication artifacts.

Comm 345 (F, S, Summer)

1-8 hrs. cr.

Internship in Communications

Off-campus work experience in areas related to professional goals of students. For advanced majors in communications. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. In all internships students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. Students may repeat the course to a maximum of 8 hrs. of credit. Prerequisite: Communications major with a minimum of 85 semester hrs.; approval of department head prior to enrolling. Some internships may have other specific prerequisites. Guidelines are available in the department's offices and must be followed.

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Comm 350 (Demand)

Sports Writing

The fundamental principles of reporting and interpreting sports, improving writing and editing skills for game coverage and feature stories and further developing and refining those skills necessary for success in the field. Prerequisite: Comm 111.

Comm 355 (S)

3 hrs. cr.

Case Studies in Public Relations

Analysis of public relations practices, including planning, communication, evaluation; management responsibilities. Prerequisite: Comm 311.

Comm 360 (S. Odd)

3 hrs. cr.

Visual Communication:

Images With Messages

An examination of visual modes of communication. Topics will include the basic elements of visual messages, the relation of visual communication to language, and the place of images in everyday life. This course is a direct result of the new age in communications initiated and promoted by computer technology.

Comm 380 (S)

2 hrs. cor.

International Media Seminar

An extensive lookat the world of international media through the experiences of renowned speakers and discussion leaders. Student will spend a week in Paris, France, attending seminars and conferences and meeting foreign correspondents, syndicated columnists, newspaper editors, television producers, and diplomats. Students must pay for travel and seminar expenses, with specific details available prior to enrollment.

Comm 400 (S, Even)

3 hrs. cr.

Advanced Organizational Communication

The application of communication theory within the organizational structure is the thrust of the course. Particular attention is focused on analysis and diagnostic capabilities. Communication training and development within an organizational setting is emphasized. Prerequisite: Comm 300.

Comm 401 (S)

Nonverbal Communication

Study types and effects of various nonverbal communication behaviors and develop competencies and skills in applying the study to selected perspectives. Original research as well as published research will be emphasized. Prerequisite: Comm 100.

Comm 405 (S)

3 hrs. cr.

Advanced Intercultural

Communication (Writing Intensive) An in-depth analysis of variables which influence communication among peoples from different cultures. It will be an application of the intercul-

tural theories and principles learned in the basic Intercultural Communication course. This indepth analysis of seven cultures, Northern Ireland, American Indians, Germany, China, Japan, India, and the Amish subculture in North America, from a communication perspective will utilize the case study method. Prerequisite: Comm 305.

Comm 411 (S, Odd)

Political and Social Communication

Critical analysis of speakers and speeches selected to present the characteristic ideas of leading social and political developments in national and international affairs; includes lecture, reading and discussion. Prerequisite: Comm 100 and junior or senior standing.

Comm 420 (F)

3 hrs. cr.

Mass Communications Theory

Explores the various theories which have been applied to understanding the effects of the mass media. Students will learn the various paradigms which have been applied in attempting to predict media performance, reliability and impact. Prerequisite: Comm 100 plus 3 hrs. of communication courses.

Comm 425 (S, Odd)

3 hrs. cr.

Broadcast Scriptwriting

Methods, style and techniques for preparing scripts for various types of radio and television programs and announcements. Using the computer for typing scripts. Emphasis on promotion commercials, public service announcements, partially, scripted and fully-scripted program formats such as public affairs programs, variety shows, game shows, the documentary and drama. Prerequisite: Comm 111 and 200 or 201 or 325.

Comm 430 (Demand)

Advanced Broadcast News Reporting

Theory and practice of producing a regularly scheduled television newscast. Study, criticism and evaluation of broadcast journalism. Six laboratory hours plus one staff meeting per week. Course may be repeated for a maximum of six hours. Prerequisite: Comm 325.

Comm 431 (F,S)

2 hrs. cr.

Electronic Field Production

Planning, designing and executing electronic field productions. This laboratory course is designed to build aesthetic awareness and the technical skills necessary to conceive and develop an idea and communicate that idea to others. Four hours of laboratory weekly. Course may be repeated for a maximum of four hours. Prerequisites: Comm 201.

Comm 450 (S, Even)

3 hrs. cr.

Community Journalism

Examining the nature and role of community journalism in an urbanized society is the thrust of the study. It relies heavily on the expertise of community journalism practitioners as resources of information and research. Experience with small daily and weekly newspapers will be the foundation for developing skills in community journalism. Prerequisite: Comm 111.

Comm 455 (F, Odd)

3 hrs. cr.

Writing for Public Relations

Study, analysis and practice in writing for public relations media or for public relations use by media. Includes writing news, publicity, and feature stories as well as effective letter writing, newsletters and brochures. Prerequisite: Comm 311.

Comm 460 (F)

3 hrs. cr.

Global Journalism

Structures, processes, and functions of newspapers around the world. Encompasses such issues as the use of print media between and within nations, censorship and repression, news coverage of war, and U.S. news coverage of international affairs. Prerequisite: Comm 111.

Comm 470 (F)

3 hrs. cr.

New Media Technology

Exploration of developed and developing technologies likely to shape the future of electronic media. New uses of older technologies. Historical development, regulation, and audience effects of these technologies. Students will become aware of critical controversies and projected future developments of technology. Prerequisite: Comp 105 or equivalent.

Comm 475 (Demand)

3 hrs. cr.

Global Broadcasting

Global analysis of domestic and external broadcasting services with emphasis on their political agendas, origins, technologies, and programming. Special attention placed on political, economic, and regulatory constraints. Prerequisite: 60 hours.

Comm 492 (S)

3 hrs. cr.

Communication Issues

Required of all communications majors. Synthesizes information obtained from previous coursework. Students are presented with current issues of concern from communications fields and are asked to present possible scenarios for their resolution. Prerequisite: Senior standing, plus 15 hrs. in communications.

Comm 493 (S, Even)

3 hrs. cr.

International Communication

Comparative analysis of media systems throughout the world, international broadcasting, freedom of the press, media imperialism and the New World Information Order.

Comm 498 (Demand)

3 hrs. cr.

Special Topics in Speech Communication

For upper-division students. Topics to be announced each time the course is offered.

Comm 498 (Demand)

1-3 hrs. cr.

Special Topics in Mass Communications

For upper-division students. Topics to be announced each time the course is offered.

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Comm 499

1-3 hrs. cr.

Independent Study in **Speech Communication**

An independent course structured by the adviser with approval of the department head and school dean. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications. Projects must be approved by adviser, department head and school dean prior to enrollment.

Comm 499

1-3 hrs. cr.

Independent Study in **Mass Communications**

Individually directed study in selected areas for advanced majors in mass communications. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and have completed 15 hrs. of communications. Projects must be approved by the adviser, department head and school dean prior to enrollment.

English

Hearnes Hall 300, 417.625.9377

Faculty Simpson - Head, Ackiss, B.Brown, J.R. Brown, Couch, Dworkin, Greenlee, Kumbier, Marlowe, Martinek, McSpadden, Murphy, Rodgers, Saltzman, Toliver, Walters

The department of English offers Core Curriculum courses in composition and literature for all students at the College. These courses emphasize writing and analytical skills and cultivate an appreciation of literature in all its variety. The department also offers majors in English leading to the bachelor of arts degree and the bachelor of science in education degree.

The bachelor of arts in English provides an excellent preparation for graduates who plan to enter business and industry, who plan to pursue graduate studies in English, and who plan to enter professional schools such as law and even medicine. Graduates of this program are employed in such widelydiverse occupations as human resources, advertising, publishing, sales management, law, mass communications, and college teaching. English majors develop strong skills in writing, organization, and creativity, and they develop a perception and appreciation of the human values that grow out of the study of literature. Such skills equip English majors for success in the many different fields of employment described above, and more.

The bachelor of arts English major at Missouri Southern comprises two major tracks. The literary studies track focuses on the traditional study of literature, preparing the student for advanced study of English in graduate school, for law school, and for a variety of careers in which understanding of human nature, critical thinking, and oral and written communication skills are valued. The three writing emphases prepare the student for more specialized careers involving writing in the workplace—such as public relations, copy writing and editing, technical writing, and desktop publishingand creative writing. Both tracks require senior capstone experiences: a Senior Seminar (English 495) in the literary studies track and one or two internships (English 491) in the writing emphases. These internships allow the students practical experience using writing and research skills in a workplace environment.

The bachelor of science in education English degree prepares students who wish to teach English/Language Arts at the secondary level (grades 9-12). The English BSE program is accredited by the National Council on Accreditation of Teacher Education (NCATE) and the Missouri Department of Elementary and Secondary Education (DESE), following all the guidelines for teacher preparation of both of these organizations. Taking a prescribed set of courses in Teacher Education and in English, candidates for this degree may choose to certify to teach English as a single field (Plan B) or English plus another field (Plan A). Students who wish to certify to teach English/ Language Arts in the middle school should consult the Teacher Education Program information in the catalog on page 165.

The English Department also offers an English minor with a choice of two emphases. The first, a minor in English with an emphasis in literature, is a traditional English minor that allows students to deepen their knowledge of literature and writing. The minor in English with a writing emphasis is designed for students to develop their writing skills, and it provides them with a way to present their accomplishments to prospective employers and graduate schools. Students who wish to minor in English will arrange a coherent sequence of courses in consulta-

tion with the departmental adviser for minors. Students should choose courses on the basis of their backgrounds, their major programs, and, above all, their interests.

The department offers its majors and other students opportunities to use their talents and pursue their interests through student organizations like the Sigma Tau Delta Honor Society and Live Poets Society, creative arts publications (The Winged Lion), and departmental projects like the annual English Field Day, hosted by the department for high school students.

Core Curriculum requirements in Humanities and Fine Arts can be met with the courses listed on page 33 under Area 2, sections B and C. English 101 is a prereguisite to all courses except English 80 and 111. English 102 or 111 is a prerequisite to all writing-intensive courses and 300-400 level English courses. The department urges all students to complete English 101 and 102 in their freshman year.

Bachelor of Arts with a Major in English **Literary Studies Emphasis**

Core Requirements (p. 33) 51*

Foreign Language (four courses

Semester Hours

3

15

124***

25

in one language) 12 42** **English Requirements** Foundations of English Study Eng 202 Writing & Research in 3 English Study of the English Language Intro to English Linguistics Eng 301 OR Eng 400 History of the English 3 Language Advanced Writing: One course from Eng 216, 310, 3 313 and 315 Literature Core (minimum of 15 hours, level 200 and above, distributed as below): 6 **British Literature** 6 American Literature 3

*Two of the literature survey courses listed under Area 2, sections B and C on page 33

Senior Seminar

World Literature

English Electives

College Electives

Eng 495

80 / English

satisfy both six of the 51 hours required for the Core Curriculum and six of the 15 hours of literature core or English electives required for the major.

**Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Arts with a Major in English General Writing Emphasis

Semester Hours Core Requirements (p. 33) 51* Foreign Language (four courses in one language) 12 **English Requirements** 42** Foundations of English Eng 202 Writing and Research in English Study of the English Language Eng 301 Intro to English Linguistics OR Eng 400 History of the English Language **Post-Freshman Composition Writing** One course from Eng 216, 310, 315 3 **Advanced Writing** Three courses from Eng 310, 313, 315, 316, 317 9 **Literature Core** Minimum of 3 courses chosen from Eng 261, 262; 271, 272; 281,282 9 Internship with Portfolio Eng 491 Internship in English 3-6

*Two of the English courses listed under Area 2, sections B and C on page 33 satisfy both six of the 51 hours required for the Core Curriculum and six of the 33 hours of English electives required for the major.

9-12

25

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General English Electives

College Electives

**Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Arts with a Major in English Professional/Technical Writing Emphasis

Semester Hours

Core Requirements (p. 33) 51* Foreign Language (four courses in one language) 12 **English Requirements** 42** Foundations of English Eng 202 Writing and Research in English Study of the English Language Eng 301 Intro to English Linguistics OR Eng 400 History of the English Language **Post-Freshman Composition Writing** One course from Eng 216 OR 315 Professional/Technical Writing Eng 310 and 313 6 Coursework in Related Disciplines Art 215 OR 3153 Comm 300, 305, OR 360 3 **Literature Core** Minimum of 3 courses chosen from Eng 261, 262; 271, 272; 281,282 9 Internship with Portfolio Internship in English 3-6 Eng 491 **General English Electives** 6-9 **College Electives** 25 124***

*Two of the English courses listed under Area 2, sections B and C on page 33 satisfy both six of the 51 hours required for the Core Curriculum and six of the 33 hours of English electives required for the major.

**Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Arts with a Major in English Creative Writing Emphasis

Semester Hours
Core Requirements (p. 33) 51* 45
Foreign Language (four courses in one language) 12
English Requirements 42**
Foundations of English
Eng 202 Writing and Research in English 3

Study of the	e English Language	
Eng 301	Intro to English Linguist	ics
OR	A CHARLEST CONTRACTOR OF THE	
Eng 400	History of the English	
	Language	3
Post-Fresh	nman Composition Writ	ting
Eng 310	Professional Writing	3
Eng 315	Advanced Essay Writing	g 3
Creative W	/riting	
Eng 216	Intro to Creative Writing	3
Eng 316	Creative Writing: Poetr	у 3
Eng 317	Creative Writing: Fiction	1 3
Literature	Core	
Minimum o	f 3 courses chosen from	
Eng 261, 2	62; 271, 272; 281,282	9
Internship	with Portfolio	
Eng 491	Internship in English	3-6
General Er	nglish Electives	6-9
College El	ectives	25
		124***

*Two of the English courses listed under Area 2, sections B and C on page 33 satisfy both six of the 51 hours required for the Core Curriculum and six of the 33 hours of English electives required for the major.

**Must be beyond college composition and include at least 12 hours at the 300-400 level. The student also will need to satisfy the computer literacy requirement as determined by the English department.

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in Education with a Major in English Grades 9-12 Certification Plan A One of Two Teaching Fields

Semester Hours Core Requirements (p. 33) 51* **Computer Literacy Requirement Educ 301 Computer Software English Requirements** 33 Study of the English Language Eng 301 Intro to Eng Linguistics 3 Eng 400 History of the 3 **English Language Teaching of Writing** Eng 319 Composition for Teachers 3 **Adolescent Literature** Eng 330 Literature for Adolescents 3 **Advanced Writing** Eng 216 Creative Writing OR Eng 310 **Professional Writing** OR Eng 313 **Technical Writing**

OR

						Liigiidii	, 0
Eng 315 Advanced Essay Writing	3		s of literature from Area		0	annatad Ordan of Otrad	
Foundations of English			d C plus the required Psyc		Sug	gested Order of Stud	
Eng 202 Writing and Research in			y Core Curriculum require				
English	3		courses which fulfill these r		Bachelor of		
Literature Core			vailable in the English depa		Major Code		
British Literature**	6	Must be	e beyond college compos	ition.	English M		
American Literature**	6				Literary St	tudies Emphasis	
World Literature** Education Certification Requirement		Minoulu	Fuellah				
			n English		Freshman \		
(p. 167) Second Teaching Field (some field	37	(Literatur	e Emphasis)		1st Semeste	er	Harris
exceed 30 hours)	30		Malacal Property Commence		Course	[Eng 101 Comp I]	Hours 3
exceed 30 flours)	145		Semester		CORE	[Hist 110 or 120]	3
	145	Eng 216	Creative Writing	(3)	CORE	[Foreign Language]	3
Six hours of literature from Area 2, se	otions	OR		(0)	CORE	[Math 125 or equivalent]	3
B and C plus the required Psycholog		Eng 310	Professional Writing	(3)	CORE	[Econ 180 Amer Econ Sys	s] 3
satisfy Core Curriculum requirement		OR		(0)	Psy 120	College Orientation	1
**A list of courses which fulfill these re		Eng 313	Technical Writing	(3)			16
		OR		(0) -	and Carre	0.5	
ments is available in the English depart		Eng 315	Adv Essay Writing	(3) 3	2nd Semest CORE	er [Eng 102 Comp II]	3
***Must be beyond college composit	1011.		ses at the 300-400 level	9	CORE	[PSc 120 Gov't]	3
			ives (beyond college	THOUSE.	CORE	[Foreign Language]	3
Doobolou of Colours		composition	on)	9	CORE	[Art 110, Mus 110 or Th 1	
Bachelor of Science				21*	CORE	[Kine 101 Physical Activity	
in Education with a		+01		***	CORE	[Hist 110 or 120]	3
Major in English			e chosen in consultation	with an			16
Grades 9-12 Certification		adviser in	the English department.		0	Van	
Plan B Single Teaching Field					Sophomore 1st Semeste		
		1958601-16-56			CORE	[Foreign Language]	3
Semester	Hours		n English		CORE	[Comm 100 Oral Comm]	3
Core Requirements (p. 33) 51*	42	(Writing E	Emphasis)		CORE	[Bio 101 General Biology]	
Computer Literacy Requirement					CORE	[Kine 103 Lifetime Wellne	ss] 2
Educ 301 Computer Software	3		Semester		Eng 216	Creat Wrtg or Eng Lit Cor	
English Requirements	42	A: Six ho	ours of college composit	tion			15
Study of the English Language		Eng 101	College Comp I	(3)	0-40		
Eng 301 Intro to Eng Linguistics	3	AND			2nd Semest	er [Foreign Language]	3
Eng 400 History of the		Eng 102	College Comp II	(3)	Eng 202	Wrtg & Research in Eng.	3
English Language	3	OR			CORE	[Phys 100 Physical Scien	
Teaching of Writing		Eng 111	Advanced College		CORE	[Psy 100 or Soc 110]	3
Eng 319 Composition for Teacher	s 3		Composition	(6)	CORE	[Lit Surv/Eng Lit Core]	3
Adolescent Literature	man'			6			17
Eng 330 Literature for Adolescent	s 3	B: Twelv	e hours from the following	ing:	11.5		
Advanced Writing	The T	Eng 216	Creative Writing	(3)	Junior Year		
Eng 216 Creative Writing		Eng 310	Professional Writing	(3)	1st Semeste CORE	er Eng Lit Survey or Eng 30	5 3
OR		Eng 313	Technical Writing	(3)	Eng 301	Intro to Eng Linguistics	5 3
Eng 310 Professional Writing		Eng 315	Advanced Essay Writing	g(3)	Eng 315	Prof Wrtg or Eng Lit Core	
OR		Eng 316	Creative Writing: Poetry		CORE	[Int'l Cultural Studies]	3
Eng 313 Technical Writing		Eng 317	Creative Writing: Fiction	(3)	Eng	Eng Elective	3
OR				12	1 1 1 1 1		15
Eng 315 Advanced Essay Writing	3	C: Three	hours in a 300-400 leve	1			
Foundations of English	100	writing in	tensive course in the		2nd Semest		_
Eng 202 Writing and Research in		student's		3	Eng 400	History of the Eng Lang	3
English	3			21	Eng	Eng Lit Core Eng Elective	6.3
Literature Core					Eng Elective	[Minor]	3-6
British Literature**	6	For addition	onal information contact:		LICOTIVE		15-18
American Literature**	6		V. Simpson				
World Literature**	3		earnes Hall 314		Senior Year	r	
English Electives***	9		17.625.9640		1st Semeste		
Education Certification Requireme		E-mail: sir	mpson-d@mail.mssc.edu		Eng 495	Sen Sem or Eng Elective	3
(p. 167)	37				Eng	Eng Lit Core	3
(p. 101)	124				Eng Elective	Eng Elective [Minor]	3-6
	127				Liective		15-18
							5-18

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2nd Semester

Eng 495	Sen Sem or Eng Elective	3
Eng	Eng Lit Core	3
Elective	[Minor]	6-9
		12-15

[Department Recommendations]

Students must choose one course from 216 (fall), 310 (fall), 313 (spring) or 315 (spring). Eng 301 is offered fall semesters only; Eng 400 is offered in spring semesters only. Six hours of literature selected from Area 2, sections B and C will satisfy six hours of the Core Curriculum requirements page 33.

Bachelor of Arts Major Code 1501 English Major General Writing Emphasis Professional & Technical Writing Emphasis Creative Writing Emphasis

Options for course selection vary on a semester by semester basis. The major adviser will supervise the student's choices during the registration process.

For additional information contact:

Dr. Dale W. Simpson Office: Hearnes Hall 314 Phone: 417.625.9640

E-mail: simpson-d@mail.mssc.edu

Bachelor of Science in Education Major Code 9024 English Major Grades 9-12 Certification Plan A One of Two Teaching Fields

Note: Students following Plan A should consult an adviser in English and the other major to work out an individualized program.

Freshman Year

1st Semester

CORE	[Eng 101 Comp I]	3	
Psy 100	General Psychology	3	
CORE	[Hist 110 or 120 U.S. Hist]	3	
CORE	[Math 125 or equivalent]	3	
CORE	[Kine 101 Physical Activity]	1	
Psy 120	College Orientation	1	
CORE	[Econ 180 Amer Econ Sys]	3	
		17	

2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[Lit Surv: Brit/Amer/Wrld]	3
CORE	[PSc 120 Gov't:U.S./St/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Art 110, Mus 110, Th 110]	3
Educ 100	Orientation to Educ I	1

Sophomore Year

1st Semester

for tentative	admission to Teacher Educa	ation. If
ACT is less	than 20, student should retal	ke ACT.
CORE	[Area 2 C: Eng, Amer, Wo	orld Lit]
OR		
Eng 305	Short Story	3
Eng	[Eng, Amer or World Lit]	3
CORE	[Kine 103 Life Wellness]	2
CORE	[Phys 100 Phys Science]	5
Psy 301	Adolescent Psychology	3
Educ 200	Orientation to Educ II	1
		17

Take C-Base test. Get faculty recommendation, write autobiography, & file admission papers

2nd Semester

Apply for admission to teacher education during					
first six weeks of the semester.					
Eng 202	Wrtg & Res in Eng	3			
Psy 302	Exceptional Child	2			
Psy 310	Educational Psychology	3			
CORE	[Comm 100 Oral Comm]	3			
CORE	[Hist 110, 120 or 320]	3			
Educ 301*	Computer Software	3			
		47			

*This is a certification requirement and must be taken by all teacher education students.

Junior Year

Pass media competencies. If recommended by Junior Block instructors and by the teacher education faculty, receive full admission to teacher education.

1st Semester

Eng 301	Intro to Eng Linguistics	3
Eng 310 OR	Professional Writing	
Eng 216	Creative Writing	3
Educ 321	Microteaching	2
Educ 329	Ped Theo Meth & Prac	4
Educ 423	Classroom Management	2
English	Elective	3
		17

2nd Semester

Eng 400	Hist of Eng Language 3
Eng 315	or Eng Elective 3
Eng	[Brit, Amer or World Lit] 3
Eng 330	Lit for Adolescents 3
Eng	[English,American,or Wld Lit] 3
Educ 422	 Content Area Literacy: Secon. 2
	17

*Can be taken concurrent with Junior Block or any following semester except for Professional Block.

Senior Year

Apply for admission to student teaching. All course work must be completed except for professional semester courses.

1st Semester

Tot Octificat	.01	
Eng	Electives	3
Elective	(General)	3
Eng 319	Comp for Teachers	3
CORE	[Intern'l Cultural Stu]	3
		12

2nd Semester

Educ 332	Tching Eng in Sec Sch	2
Educ 462	Student Teaching	8
Educ 402	Foundations	2
Educ 432	Critical Issues	2
Educ 412 OR	Mid Sch Org/Ph. & Curr (2)	
Educ 420* OR	Intro to Counseling (3)	
Psv 412	Meas & Eval (2)	2-3

[Department Recommendations]

*Offered at night only. Must be taken the semester prior to student teaching.

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Bachelor of Science in Education

Мај	or	C	ode	9024
_		-		

English Major

Plan B Single Teaching Field Grades 9-12 Certification

Freshman Year

1st Semester

13t Selliestel		
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Hist 110 or 120]	3
CORE	[Math 125 or equiv]	3
CORE	[Kine 101 Physical Activity]	1
Psy 120	College Orientation	1
CORE	[Econ 180 Amer Econ Sys]	3
		17

2nd Semester

CORE	[Eng 102 Comp II]	3
CORE	[Lit Survey: Brit/Amer/World]	3
CORE	[PSc 120 Gov't:U.S./St/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Art 110, Mus 110 or Th 110]	3
Educ 100	Orientation to Educ I	1
		7

Sophomore Year

1st Semester

Take C-Base test. Get faculty recommendation, write autobiography, & file admission papers for tentative admission to Teacher Education. If ACT iss less than 20, student should retake ACT.

CORE	[Area 2-C: Eng/Amer/Wld Lit]3
Eng	[Brit, Amer or World Lit] 3
CORE	[Kine 103 Lifetime Wellness] 2
CORE	[Phys 100 Physical Science] 5
Psy 301	Adolescent Psychology 3
Educ 200	Orientation to Educ II 1
	47

2nd Semester

Apply for admission to teacher education during first six weeks of the semester.

mot six weeks of the semester.		
Eng	[Brit, Amer or World Lit]	3
Psy 302	Exceptional Child	2
Psy 310	Educ Psychology	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Hist 110, 120 or 320]	3
Educ 301*	Computer Software	3
		47

English / 83

*This is a certification requirement and must be taken by all teacher education students.

Junior Year

Pass media competencies. If recommended by Junior Block instructors and by the teacher education faculty, receive full admisssion to teacher education.

1st Semest	er
Eng 301	Intro to Eng Linguistics
Eng 310	Professional Writing

)	Eng 310 OR	Professional Writing	
	Eng 216	Creative Writing	3
	Educ 329	Ped Theo Meth & Prac	4
	Educ 321	Microteaching	2
	Educ 423	Classroom Management	2
	Elective	(General)	3
			17

2nd Semeste	er		
Eng 400	History of Eng Lang		3
Eng 216	or 315 or Eng Elective		3
Eng 330	Lit for Adolescents		3
Eng	Brit, Amer or World Lit		3
Educ 422*	Content Area Literacy:	Sec.	. 3
			15

*Can be taken concurrent with Junior Block or any following semester except for Professional Block.

Senior Year

Apply for admission to student teaching. All course work must be completed except for Professional Semester courses.

	_				_		•
10	+	C	or	no	ct	0	

	Eng	Electives	9
	Eng 319	Comp for Teachers	3
•	CORE	[International Cultural Stu]	3
			15

2nd	Semester
2110	Semester

Psy 412

	Educ 332	Tching Eng in Sec School	2
	Educ 462	Student Teaching	8
	Educ 402	Foundations	2
	Educ 432	Critical Issues	2
	Educ 412	Indiv Curriculum Dev (2)	
	OR		
	Educ 420*	Intro to Counseling (3)	
В	OR		

Meas & Eval (2)

[Department Recommendations]

*Offered at night only. Must be taken the semester prior to student teaching.

For additional information contact: Dr. Dale W. Simpson

Office: Hearnes Hall 314 Phone: 417.625.9640

E-mail: simpson-d@mail.mssc.edu

Course Descriptions

Eng 080

3

3 hrs. cr.

Basic Composition

Offered through the Learning Center, for students whose Writing Placement scores indicate a need for developmental composition. Students will write at least six major papers with special attention given to mechanics, grammar, syntax, paragraphing and organization. Students must pass English 80 before registering for English 101. No credit toward baccalaureate degree.

Eng 101 3 hrs. cr. College Composition I (Writing Intensive)
An introduction to the principles of college-level writing and critical thinking. Students will write a number of essays for a variety of purposes and audiences. Successful completion of the course permits the student to enroll in English 102.

Students demonstrating exceptional ability as indicated by Writing Placement scores may take English 111. (Meets Area 1 Core Curriculum requirement.)

requirement.)

Eng 102 3 hrs. cr.

College Composition II (Writing Intensive)
Continued development of writing skills. Emphasizes writing from sources. Initiation, development and completion of a research paper. Prerequisite: English 101. (Meets Area 1 Core Curriculum requirement.)

Eng 111

3 hrs. cr.

Advanced College

Composition (Writing Intensive)
For students whose Writing Placement scores demonstrate exceptional proficiency. With a grade of 'C' or better in English 111, a student also automatically receives three hrs. credit for English 101, thereby satisfying the six hour composition requirement. Students receiving a D in English 111 must take English 102.

Eng 150

2-3

16-17

3 hrs. cr.

Introduction to Literature

An examination of literary themes, techniques, and approaches reflected in the genres of fiction, poetry, and drama. Does not count toward the English BA and BSE majors. Prerequisite: Eng 101 or Eng 111 (Meets Area 2C Core Curriculum requirement for majors outside of English.)

Eng 160

3 hrs. cr.

Introduction to Film Studies

An introduction to the study of film as a literary genre and art form. Prerequisite: Eng 101 or Eng 111. Two hrs. lecture, 2 hrs. lab.

Eng 202

3 hrs. cr.

Writing and Research

in English

(Writing Intensive)

A required gateway course for English BA and BSE majors. An introduction to the aims and methods of writing and scholarship in the discipline. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 216

3 hrs. cr.

Creative Writing (Writing Intensive)
Writing of prose, poetry and drama. A study of the
writer's roles and technical approaches to literature in order to develop creative writing skills.
Prerequisite: Eng 101 and 102 or Eng 111.

Eng 261

3 hrs. cr.

World Literature I

Selected literature from the ancient world through the Renaissance, excluding British and American literature. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirement.)

Eng 262

3 hrs. cr.

World Literature II

Selected literature from the Renaissance to the present, excluding British and American literature. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirements.)

Eng 271

3 hrs. cr.

British Literature I

Survey of British literature from its beginnings through the eighteenth century. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirement.)

Eng 272

3 hrs. cr.

British Literature II

Survey of British literature from the Romantic Movement to the present. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirement.)

Eng 281

3 hrs. cr.

American Literature I

A survey of American literature from its beginning to the Civil War. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirement.)

Eng 282

3 hrs. cr.

American Literature II

A survey of American literature from the Civil War to the present. Prerequisite: Eng 101 or Eng 111. (Meets Area 2B Core Curriculum requirements.)

Eng 298 (Demand)

3 hrs. cr.

Explorations in Literature

Studies in a variety of literary subjects. Topic open. Prerequisite: Eng 101 or 111.

Eng 301 (F)

3 hrs. cr.

Introduction to English Linguistics

The scientific study of the English language, from ca. 1960 to the present, covering such topics as phonology, morphology, syntax, language acquisition, regional and social variation, and usage. Prerequisite: Eng 101 and 102 or Eng 111.

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Eng 305

3 hrs. cr.

The Short Story

An indepth study of the short story with representative writers from throughout the world. Prerequisite: Eng 101 and 102 or Eng 111. (Meets Area 2C Core Curriculum requirement.)

Eng 310 3 hrs. cr. **Professional Writing** (Writing Intensive)

An advanced course focused on the writing demands of professional occupations. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 313 3 hrs. cr. **Technical Writing** (Writing Intensive)

An advanced course focused on the practical demands of on-the-job writing, designed primarily for upper-level students preparing for careers in science, technology or social science. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 315 3 hrs. cr.

Advanced Essay Writing (Writing Intensive)
An advanced course in the principles of prose style, focusing on the academic essay. Recommended for all students, especially those entering the professions or aspiring to become writers.

Prerequisite: Eng 101 and 102 or Eng 111.

Eng 316 3 hrs. cr.

Creative Writing: Poetry (Writing Intensive)
An advanced course in the writing of poetry, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: Eng 101 and 102 or Eng 111, and Eng 216 or permission of instructor.

Eng 317 3 hrs. cr. **Creative Writing: Fiction** (*Writing Intensive*) An advanced course in the writing of fiction, including analysis and emulation of professional models and workshop editing of original student writings. Prerequisite: Eng 101 and 102 or Eng 111, and Eng 216 or permission of instructor.

Eng 319 (F) 3 hrs. cr.

Writing in the Middle and

Secondary School (Writing Intensive) For prospective teachers of English. Composition theory and pedagogy. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 325 3 hrs. cr. **Children's Literature** (Writing Intensive)
A reading, lecture and observation course for elementary education students, including evaluation of children's literature, its historical development, and its uses in the elementary school. Does not count toward the English BA and secondary English BSE majors. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 330

3 hrs. cr.

Literature for

Adolescents (Writing Intensive)

An extensive reading course for English education majors including evaluation of adolescent literature, some methodology for classroom use, and a major unit on minority literature. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 335

3 hrs. cr.

Women's Literature

A study of the literary tradition of women authors writing in English. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 340 3 hrs. cr.

Black American Literature

A study of literature written by African-Americans from the Colonial Period to the present. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 345 3 hrs. cr.

The American Novel

A study of the development of the novel in America. Representative works of authors such as Hawthorne, Melville, Twain, Hemingway, and Faulkner. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 350 3 hrs. cr.

Recent American Fiction

A study of the major writers and movements in American fiction since World War II. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 355 3 hrs. cr.

Arthurian Literature

Emphasizes the origin and development of Arthurian legends in the Middle Ages; studies the treatment of Arthurian literature in modern times. Works read in modern English translation. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 360 3 hrs. cr.

Modern World Drama

A study of world drama from Ibsen to the present. Selections from European, British, American, Asian, and African playwrights. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 370 3 hrs. cr.

Twentieth Century Poetry

A study of British and American poetry from the works of W.B. Yeats to the present. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 380 3 hrs. cr.

The British Novel

Studies in the British novel from 1700 to the present, featuring representative works by such authors as Austen, Dickens, and Joyce. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 385 3 hrs. cr.
Continental Novel

A study of representative works by European novelists of the nineteenth and twentieth centuries. Emphasis is on the major European novelists such as Tolstoy, Dostoevsky, and Kafka. Works read in modern English translation. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.) Prerequisite: Eng 101 and 102 or Eng 111.

Eng 390

3 hrs. cr.

Epic

An intensive study of a range of Western and non-Western epic poetry and prose, with emphasis on literature from non-English speaking cultures. Works read in modern English translation. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 391 3 hrs. cr.

World Poetry

An intensive study of a range of European and non-European lyric poetry in translation. Works read in modern English translation. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 400 (S) 3 hrs. cr.

History of the English Language

A study of the ancestors of Modern English and the effect of other languages, peoples, and cultures upon the development of English. Phonology, morphology, syntax, and usage of the language throughout its history. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 410 3 hrs. c

Medieval English Literature

A study of the literature of England from the 11th through the 15th centuries, emphasizing such authors as Chaucer and Malory, and the genres of poetry and drama. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 415 3 hrs. cr.

Renaissance Prose and Poetry

A study of British poetry and prose from 1500 to 1660. Focuses on such major figures as Sidney, Spenser, Donne, Marvell, and Milton. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 420 3 hrs. cr.

British Drama to 1800

A study of British drama from its beginnings to 1800 (excluding Shakespeare). Focuses on the period of great British drama of the Renaissance and on Restoration comedy. Includes such major figures as Marlowe, Jonson, Webster, and Congreve. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 425 3 hrs. cr. Restoration and Eighteenth Century

Restoration and Eighteenth Century British Literature

A study of British poetry and prose from 1660-1798, representing Neoclassicism and the Enlightenment. Focuses on such major figures as Dryden, Pope, Swift, Johnson, and Burns. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 430 3 hrs. cr.

The Romantic Period

A study of British literature from 1798 to 1832 treating major such authors as Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. Prerequisite: Eng 101 and 102 or Eng 111.

English, Environmental Health / 85

Approved Computer Course (3)

Eng 435 3 hrs. cr. The Victorian Period

A study of British literature from 1832 to 1901, examining such representative authors as Tennyson, Carlyle, Browning, and Dickens. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 450 (F) 3 hrs. cr. Shakespeare

A study of selected comedies, histories, tragedies, romances, and poems. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 455 3 hrs. cr. **British Literature: Major Figures**

An intensive study of a major author or authors whose contribution to British literature is of significant worth. May be repeated with variation of author. Prerequisite: Eng 101 and 102 or Eng 111.

American Literature: Major Figures An intensive study of a major author or authors whose contribution to American literature is of significant worth. May be repeated with variation of

Eng 480 3 hrs. cr. **Literary Criticism**

author. Prerequisite: Eng 101 and 102 or Eng 111.

A study of major schools of criticism and the major representatives of each school. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 491 1-8 hrs. cr.

Internship in English

Practical experience using writing skills in a professional environment. All internships must conform with MSSC institutional policy regarding the number of hours work per credit and contractual agreements with cooperating facility. Three-hour internships may be repeated. Prerequisites: Prerequisite: Eng 101 and 102 or Eng 111; Advanced standing with a GPA of 3.0 and approval of a departmental committee.

Eng 495

Senior Seminar (Writing Intensive) Intensive study of one or more literary authors, genres, and/or historical periods, culminating in a substantial research paper. Topic open. Prereguisite for English majors: Eng 202. For senior English majors or for others by permission of department head (Prerequisite: Eng 101 and 102 or Eng 111).

Eng 498 3 hrs. cr. Seminar in Literature

For advanced English majors or by permission of department head. Topic open. Prerequisite: Eng 101 and 102 or Eng 111.

Eng 499 1-3 hrs. cr. Independent Study

Individually directed study in selected areas for advanced English majors. Prerequisite: Eng 101 and 102 or Eng 111; a GPA of 3.0 in English. Enrollment must be approved by adviser, department head, and school dean.

Environmental Health

Reynolds Hall 320, 417.625.9765

Faculty Fletcher - Coordinator, Kennedy

The College offers a four-year bachelor of science in environmental health. Environmental Health is the science of protecting the human environment. Career opportunities include professional positions with state and local health departments, environmental protection agencies and corporate occupational health and safety divisions. The program is fully accredited by the National Environmental Health Science and Protection Accreditation Council (NEHSPAC).

Bachelor of Science Environmental Health Major

(Major Code 1299)

Semester Hours Core Requirements (p. 33) 51* **Biology and Environmental Health** Core 30 Bio 101 General Biology OR Bio 121 Human Anat & Phys I Bio 231 General & Medical Microbiology 5 Research Methods Bio 290 in Biology 2 EH 312 **Environmental Biology** 4 3 EH 370 **Environmental Health** EH 371 Toxicology 2 EH 372 Environmental Reg and Program Adm 2 EH 377 Food & Community Sanitation 4 EH 380 **Epidemiology** 3 EH 381 Risk Assess & Comm

Mathematics and Physical Science Requirements

Math 140	College Algebra and Trig	
(Math 130 -	+ Math 135 = Math 140)	5
Chem 101	General Chemistry I	5
Chem 102	General Chemistry II	5
Chem 300	Introduction to Modern	
	Organic Chemistry	
OR		
Chem 301	Organic Chemistry I	5
Phys 151	Elementary College	
	Physics	5

College Computer Requirement Bio 303 Computer Applications in Biology (2) OR GIS (3) EH 304 OR

2-3

2-8

Environmental Health Elective Block 30 Select approved courses to complete a 30 hr. block of which 20 hours must be EH courses. Must include the following: EH 211 Soil Morphology and Sewage Systems 2 **Environmental Protection 4** EH 376 EH 378 Occupational HIth & Safety 3 EH 450 Internship in Environ-

Select from the following to complete the 30 hour block.

mental Health

the 30 nour	DIOCK:	
Bio 221 OR	Human Anat & Phys II	5
Bio 301	Human Physiology	4
Bio 240	Radiation Biology	3
Bio 361	Parasitology	4
Bio 402	General Ecology	4
Bio 481	Aquatic Ecology	4
Chem 201	Analytical Chemistry	5
EH 201	Hazardous Materials	4
EH 298	Selected Topics in	
	Environmental Health	1-8
EH 300	Environmental Geology	4
EH 304	GIS	3
EH 352	International	
	Environmental Health	3
EH 373	Solid Waste Manage	2
EH 375	Vector Control	2
EH 498	Seminar in Environmen	tal
	Health	1-3
EH 499	Problems in Environ-	
	mental Health	1-3
Geog 302	World Env Issues	3
MIDS 402	Sustainability	3
PSc 421	Public Administration	3
	124	-127*

*Required courses in biology, chemistry, mathematics and physics satisfy major requirements and 12 hrs. of the Core Curriculum. **Must include at least 40 hours of upper

division.

Majors satisfy the Writing Intensive (WI) requirement by completing Eng 101 and 102 (or their equivalent) and three "WI" classes in environmental health, biology or

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a supporting area. See page 32 for Writing Intensive requirements.

There are two other options that meet the 30 hour Environmental Health Elective Block.

Option I: Water and Wastewater Management

This option requires the student to satisfy the same requirements as shown for the bachelor of science in environmental health. They may satisfy the 30 hour Environmental Health elective block by successful completion of the Water and Wastewater program at Crowder College, Neosho, Mo., or the Environmental Water Technology program, with emphasis in water and wastewater, at Fort Scott Community College at Fort Scott, Ks. 20 of the 30 block hours will be credited as upper division. Students interested in this option should contact the Environmental Health coordinator.

Option II: Environmental Health and Safety

This option requires the student to satisfy the same requirements as shown for the bachelor of science in environmental health. They may satisfy 25 of the 30 hour Environmental Health elective block by successful completion of the Environmental Health Program at Maple Woods Community College in Kansas City, Mo. or Northwest Arkansas Community College in Bentonville, Ark. This option also requires 5 hours of EH 450. 17 of the 30 block hours will be credited as upper division. Students interested in this option should contact the Environmental Health coordinator.

Suggested Order of Study

Bachelor of Science Degree Major Code 1299 Environmental Health Major

Freshman Year

1st Semeste	er	
Course	l l	lour
Bio 101	General Biology	4
CORE	[Area 4 - Am. Cultural Study]	3
CORE	[Eng 101 Comp I]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Psy 120 College Orient]	1
Math 140	College Algebra & Trig	5
		17

2nd Semes	ter	
Chem 101	Gen Chemistry I	5
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
Phy 151	Elem College Physics	5
		16

Sophomore Year

Copilomore	, rour	
1st Semeste	er	
CORE	[Area 4 – Am Cultural Study]	3
Bio 231	Gen/Med Microbiology	5
Chem 102	Gen Chemistry II	5
CORE	[Comm 100 Oral Comm]	3
		16

2nd Semester

Chem 300 OR	Intro to Mod Org Chem	
Chem 301	Organic Chemistry I	5
EH 370	Environmental Health	3
CORE	[Area 4 - Am Cultural Study]	3
CORE	[Behavioral Science]	3
CORE	[Kine 103 Lifetime Wellness]	2
		16

Junior Year

1st Semeste	er	
EH 211	Soil Morph & Sewage Sys	2
EH 312	Environmental Biology	4
EH 372	Env Regs & Prog Admin	2
EH 376	Environmental Protection	4
EH 304	GIS	3
		15
2nd Semest	ter	
		_

EH 371	Toxicology	2
EH 377	Food & Com Sanitation	4
EH 378	Occupational Hlth & Safety	3
EH 381	Risk Assessment	1
CORE	[Area 4 – Am Cultural Study]	3
CORE	[Humanities and Fine Arts]	3
		16

Senior Year

1st Semes	ste	r	
EH Block		[EH 373 Solid Waste Manage]	2
EH Block		[EH 375 Vector Control]	2
Bio 290		Research Methods	2
CORE	'	[Humanities and Fine Arts]	3
CORE		[International Cultural Study]	3
EH Block		[EH Block Elective]	3
			15

2nd Semester

EH 380	Epidemiology	3
EH Block	[EH 201 Hazard Materials]	4
EH Block	[EH Block Elective]	5
EH 450	Internship in Env Health	2
		14
		125

[Departmental Recommendations] Program must satisfy Writing Intensive (WI) requirements page 32. For additional information contact:

Mr. Michael Fletcher Office: Reynolds Hall 320 Phone: 417.625.9765

E-mail: fletcher-m@mail.mssc.edu

Mr. Michael Kennedy Office: Reynolds Hall 312 Phone: 417.625.9857

E-mail: kennedy-m@mail.mssc.edu

Course Descriptions

EH 201 (Demand)

4 hrs. cr.

Hazardous Materials and Waste Management

Knowledge will be gained in the proper storage, handling and disposals of hazardous materials and hazardous waste. All students who successfully complete this course will be awarded Hazardous Waste Operations and Emergency Response (HAZWOPER) certificates. Prerequisites. Biology 101 or 121 and Chem 101.

EH 211 (F, Odd)

3 hrs. cr.

Soil Morphology and Sewage Systems Information for the environmental health practitioner on soil morphology and site assessment for the design of small sewage treatment systems. One hour of lecture and two hours of field and/or laboratory activities are required per week. Prerequisites: Bio 101 or 121 and Chem 101.

EH 298 (Demand)

1-8 hrs. cr

Selected Topics in Environmental Health Special topics in environmental health not normally included in another course. Prerequisite: Permission.

EH 300 (Demand)

4 hrs. cr.

Environmental Geology

Introduction to man's relationship to the earth's environment. Limitations of natural resources and future projections are considered along with man's demands on the environment. Oil spills, surface mining, waste disposal, ground water and other problems of a geologic nature are reviewed. Natural environmental hazards, such as volcanoes, earthquakes, subsidence, mass movements and floods are examined. Prerequisites Physics 151 (Cross-listed in geology.)

EH 304 (F, Odd)

3 hrs. cr.

Geographic Information Systems

Explores the expanding use of Geographic Information Systems (GIS) in ecology, environmental health, and related fields. Satisfies the computer literacy requirement for biology and environmental health majors. Lecture and laboratory scheduled equivalent to 3 credits. Prerequisite: Bio 101. (Cross-listed in biology.)

Environmental Health , Foreign Languages / 87

EH 312 (F) 4 hrs. cr. Environmental Biology (Writing Intensive) Environmental factors and their interactions with living organisms. Emphasis on human ecology and wise natural resource utilization. Three lectures, one 2 hr. lab per week. Prerequisite: Bio

EH 352 (Demand) 3 hrs. cr. International Environmental Health

101 or 121. (Cross-listed in biology.)

International Environmental Health is an in-depth study of environmental health issues in countries other than the United States of America. This course will be approached by selecting a country to be studied, reviewing the environmental issues pertinent to the selected country. Environmental health issues, which are common to many countries, as well as issues which are unique to the selected country will be studied. The environmental health issues of the selected country will be studied in the classroom and followed up with an extended field trip usually lasting approximately two weeks. Prerequisites: EH 312.

EH 370 (S) 3 hrs. cr.

Environmental Health

Contemporary heatlh problems and public heath protection measures, including public health disease prevention, and environmental health hazards. Three lectures per week. Prerequisite: Bio 101 or Bio 121. (Cross-listed in biology.)

EH 371 (S, Even)

Toxicology

An introduction to toxicants which threaten the health of humans. Three lectures per week. Prerequisite: Bio 101 or 121.

EH 372 (F, Odd) 2 hrs. cr.

Environmental Regulations and Program Administrations

Study of regulations which constitute the basis for management of environmental agencies and organization of environmental health agencies. Prerequisite: EH 370.

EH 373 (F, Even) 2 hrs. cr.

Solid Waste Management

Introduction to the problems and solutions related to the generation, storage, collection and disposal of solid wastes. Management aspects of planning, organizing, designing and operating refuse collection and disposal systems also included. Prerequisite: Bio 101 or Bio 121 and Chem 101.

EH 375 (F, Even) 2 hrs. cr.

Vector Control

Identification and control of organisms which serve as reservoirs and vectors of diseases. One lecture, one 2-hr. lab per week. Prerequisite: Bio 101 or Bio 121 and Chem 101.

EH 376 (F, Odd)

4 hrs. cr.

Environmental Protection

This course will provide information on soils, water quality, water treatment systems, wastewater treatment systems, air quality and air pol-

lution control necessary for the environmental quality practitioner in government or industry. Three hours of lecture and two hours of field and/ or laboratory activities are required per week. Prerequisite: Bio 101 or Bio 121 and Chem 101.

EH 377 (S, Even) 4 hrs. cr.

Food and Community Sanitation

Introduction to concepts, principles and methods generally useful in performance of duties of city and county health department personnel. Three lectures, one 2-hr. lab per week. Prerequisite: Bio 101 or Bio 121 and Chem 101.

EH 378 (S, Even) 3 hrs. cr. Occupational Health and Safety

An introduction to the concepts, principles, and methods generally employed by industrial health and safety officers in the performance of their duties. Prerequisite: Bio 101 or Bio 121 and Chem 101.

EH 380 (S, Odd) 3 hrs. cr. **Epidemiology**

Introduction to the concepts, principles and methods generally useful in the surveillance and investigation of communicable disease. Prerequisite: Bio 101 or Bio 121. (Cross listed in biology.)

EH 381 (S, Even) 1 hr. cr. Risk Assessment and Communication

Introduction to the concepts, principles, and methods generally useful in assessing risk and communicating the levels of risk to workers and the public. Prerequisite: EH 370.

EH 450 (F, S) 1-8 hrs. cr. Internship in Environmental Health

Experience in actual observation and work at health facilities, health regulation agencies and/ or industrial plants where environmental health is a viable concern. Periodic meetings between the Missouri Southern coordinator, the cooperating institution and the student will be required. The student should not be employed in any job that will prevent full-time, maximum concentration on the academic internship. Prerequisite: Junior or senior standing in environmental health or biology curricula.

EH 498 (Demand) 1-3 hrs. cr. Seminar in Environmental Health

For upper division environmental health and biology majors only. Meets regularly a minimum number of hours. Designed to give specialized instruction in some discipline of environmental health not covered in other courses. Prerequisites: Junior standing, 20 hrs. in environmental health and/or biology and a minimum GPA of 2.5 in environmental health and/or biology or permission.

EH 499 (Demand) **Problems in Environmental Health**

Individual work under the supervision of a staff member, with the credit and hours to be arranged. Problems may be undertaken in any field of environmental health, with adequate preparation and the consent of the supervising instructor, coordinator, department head and school dean. Prerequisites: Minimum GPA of 3.0 in 20 hrs. of environmental health and/or biology.

Foreign Languages and Literatures

Webster Hall 352, 417.625.9580

Faculty Moorman - Head, Burch, Cramer, Chang, Guzman, Hou, Karmanova, Mere, Nakai, Sartori, Suro, Talavera, Weber

The foreign language section of the department of communications offers the Bachelor of Arts degree with majors in French. German, and Spanish. Minors in Chinese, French, German, Japanese, Russian, and Spanish are available. The department also offers the Bachelor of Science in education degree in French, German, or Spanish, with the chosen language as a single teaching field or as one of two teaching fields.

For the degrees in French or German, there is a residency requirement of at least one month of study or work in a French- or German-speaking country or participation in a French or German immersion program. For the degrees in Spanish such residency or immersion is strongly advised. Opportunities for such programs exist through Collegesponsored programs here and abroad, through the College's membership in the International Student Exchange Program (ISEP) and through internships. The faculty provide close guidance to students in planning such experiences. Through the Institute of International Studies students may be eligible for grants and/or scholarships to assist in financing these experiences.

Study abroad programs are open to all students, regardless of major, and are also available in Chinese, Japanese, and Russian.

All language majors and minors require a demonstration of oral and written proficiency through examinations. Guidelines for these examinations are available in the department of communications.

Students with experience in a foreign language may receive academic credit for such experience through a program of "testing

out." A student may test out of the first four courses of a language (101,102,203,204) by making appropriate arrangements with a faculty member in the specific language to be tested. The guidelines for testing out of a course require that the student be enrolled in the College at the time of the examination and be working toward a degree at Missouri Southern State College. The student must complete all "testing out." examinations before a grade is issued in a more advanced language course. The student may not have taken an examination over the course within the preceding six months. The examination may not be used to replace a previously earned grade.

Placement in foreign language courses is on the basis of prior experience and training, and students are informed at the time of placement about "testing out" procedures. Students with no prior experience in the chosen language should enroll in a 101 course in that language. Students with only one year of high school foreign language courses should also enroll in a 101 class; however, it is possible that after one or two weeks of classes the student will be asked to move to a higher level class. Students who had two years of a language in high school should enroll in a 102 course of the same language if they received at least a "B" in the high school language. Students who had three or four years of a high school foreign language should enroll in a 203 course, provided their high school grades were a "B" average in that language. Students who may have attained a proficiency greater than that offered in a 203 course will be placed appropriately after assessment is made of their skills in class. Students with five years or more of a language will need to consult with a faculty member in the specific language. In all cases, students must arrange with their instructors to "test out" of lower-numbered courses to receive credit and must do so prior to the date announced by the department.

Bachelor of Arts with a Major in French

Semester Hours

Semester	noul	15
Core Requirements (p. 33) 51*	4	8
Computer Literacy Requirement:		
Comp 105 Intro to Micro Use		3
French Requirements	3	33
Fren 101, 102, 203, 204**	12	
Language courses (300 or above)***	6	
Culture courses (300 or above)***	6	

Literature courses (300 or above)***	6	
Electives (300 or above)***	3	
Additional Requirements****		
1. Proficiency examinations		
2 Residency abroad (See explanations		

below)
Electives 40
124+

*Three hours of foreign language fulfill Area 5 requirement of the Core Curriculum.

**Fren 101, 102, 203, 204 fulfill the 12-hour foreign language requirement for the B.A. degree.

***These courses in French must be at the 300-400 level and must be chosen in consultation with the student's adviser.

****Additional requirements for the French major are:

- Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.
- 2. A period of at least one month of residency in a French-speaking country or in a French immersion program. Students may participate in a collegesponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major or may count as general electives.

+Must include 40 upper-division hours.

Bachelor of Science in Education with a Major in French

Grades K-12 Certification
Plan A One of Two Teaching Fields

Semester Hours
Core Requirements (p. 33) 51* 45
Computer literacy Requirement:
Educ 301 Use of Computer Software
in the Classroom 3

French Requirements 33
Fren 101, 102, 203, 204 12
Students will select at least 21 hours at the 300-400 level according to the

following distribution:
Language courses (300 or above)** 6
Culture courses (300 or above)** 6
Literature courses (300 or above)** 6
Electives (300 or above)** 3
Additional Requirements***

1. Proficiency examinations

2. Residency abroad (See explanations below)

Education Certification Requirements (p. 167) 39-42 Second Teaching Field (some fields exceed 30 hrs.) 30 150-153****

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum. Three hours of foreign language fulfill Area 5 requirement.

**These courses in French must be at the 300-400 level and must be chosen in consultation with the student's adviser.

***Additional requirements for the French major are:

- 1. Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.
- 2. A period of at least one month of residency in a French-speaking country or in a French immersion program. Students may participate in a collegesponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major field.
- Students must complete the course work designated by the department of education and must meet current Missouri state certification require-

Foreign Languages / 89

ments. New requirements are under consideration and will define certification in terms of specific competencies that the student can demonstrate.

****A minimum of 124 hours is required for a degree, but the exact number depends on the second field. In this example, the total number of hours is greater than 124.

Bachelor of Science in Education with a Major in French **Grades K-12 Certification** Plan B Single Teaching Field

Semester Hours Core Requirements (p. 33) 51* 45 **Computer literacy Requirement:** Educ 301 Use of Computer Software in the Classroom French Requirements 33 Fren 101, 102, 203, 204 12 Students will select at least 21 hours At the 300-400 level according to the following distribution:

Language courses (300 or above)** 6 Culture courses (300 or above)** 6 Literature courses (300 or above)** 6 Electives (300 or above)** 3 Additional Requirements***

1. Proficiency examinations

2. Residency abroad (See explanations below)

Education Certification Requirements (p. 167) 39-42 **General Electives** 124-127

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum. Three hours of foreign language fulfill Area 5 requirement.

**These courses in French must be at the 300-400 level and must be chosen in consultation with the student's adviser.

***Additional requirements for the French

1. Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.

- 2. A period of at least one month of residency in a French-speaking country or in a French immersion program. Students may participate in a collegesponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major field.
- Students must complete the course work designated by the department of education and must meet current Missouri state certification requirements. New requirements are under consideration and will define certification in terms of specific competencies that the student can demonstrate.

Bachelor of Arts with a Major in German

Semester Hours Core Requirements (p. 33) 51* **Computer Literacy Requirement:** Comp 105 Intro to Micro Use 3 **German Requirements** 33 Ger 101, 102, 203, 204** 12 Language courses (300 or above)*** 6 Culture courses (300 or above)*** 6 Literature courses (300 or above)*** 6 Electives (300 or above)** 3 Additional Requirements**** 1. Proficiency examinations 2. Residency abroad (See explanations below)

Electives 40 124+

*Three hours of foreign language fulfill Area 5 requirement of the Core Curriculum.

**Ger 101, 102, 203, 204 fulfill the 12-hour foreign language requirement for the B.A. degree.

***These courses in German must be at the 300-400 level and must be chosen in consultation with the student's adviser.

****Additional requirements for the German major are:

1. Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by

the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.

2. A period of at least one month of residency in a German-speaking country or in a German immersion program. Students may participate in a college-sponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major or may count as general electives.

+Must include 40 upper-division hours.

Bachelor of Science in Education with a Major in German

Grades K-12 Certification Plan A One of Two Teaching Fields

Semester Hours Core Requirements (p. 33) 51* Computer literacy Requirement: Educ 301 Use of Computer Software in the Classroom **German Requirements** 33

Ger 101, 102, 203, 204 12 Students will select at least 21 hours At the 300-400 level according to the following distribution: Language courses (300 or above)**

6 Culture courses (300 or above)** 6 Literature courses (300 or above)** 6

Electives (300 or above)** 3 Additional Requirements***

1. Proficiency examinations

2. Residency abroad (See explanations below)

Education Certification Requirements (p. 167) 39-42

30

Second Teaching Field (some fields exceed 30 hrs.) 150-153****

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum. Three hours of foreign language fulfill Area 5 requirement.

**These courses in German must be at the 300-400 level and must be chosen in consultation with the student's adviser.

***Additional requirements for the German major are:

- 1. Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.
- 2. A period of at least one month of residency in a German-speaking country or in a German immersion program. Students may participate in a college-sponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major field.
- 3. Students must complete the course work designated by the department of education and must meet current Missouri state certification requirements. New requirements are under consideration and will define certification in terms of specific competencies that the student can demonstrate.

****A minimum of 124 hours is required for a degree, but the exact number depends on the second field. In this example, the total number of hours is greater than 124.

Bachelor of Science in Education with a Major in German **Grades K-12 Certification** Plan B Single Teaching Field

Semester Hours

Core Requirements (p. 33) 51* **Computer literacy Requirement:** Educ 301 Use of Computer Software in the Classroom **German Requirements** 33 12

Ger 101, 102, 203, 204

Students will select at least 21 hours At the 300-400 level according to the following distribution:

Language courses (300 or above)** 6 Culture courses (300 or above)** Literature courses (300 or above)** 6 Electives (300 or above)** 3 Additional Requirements***

1. Proficiency examinations

2. Residency abroad (See explanations below)

Education Certification Requirements 39-42 (p. 167) **General Electives** 124-127

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum. Three hours of foreign language fulfill Area 5 requirement.

**These courses in German must be at the 300-400 level and must be chosen in consultation with the student's adviser.

***Additional requirements for the German

- 1. Successful completion of tests or oral and written proficiency. Guidelines are available in the department of communications. These guidelines indicate the general areas covered by the proficiency tests, and the dates on which tests are scheduled for the academic year. Students will normally take the tests for diagnostic purposes during the second semester of the junior year and may repeat the tests during their senior year.
- 2. A period of at least one month of residency in a German-speaking country or in a German immersion program. Students may participate in a college-sponsored summer program, an ISEP semester or year abroad, a program of another accredited college, an internship, or other approved activity. All language students are urged to work closely with the Institute of International Studies to explore available programs and financial resources. Students with special circumstances may petition to have an alternative immersion experience approved for this requirement. Credit earned may be applied to the major field.
- 3. Students must complete the course work designated by the department of education and must meet current Missouri state certification requirements. New requirements are under consideration and will define certifica-

tion in terms of specific competencies that the student can demonstrate.

Bachelor of Arts with a Major in Spanish

Semester Hours Core Requirements (p. 33) 51* **Computer Literacy Requirement:** 3 Comp 105 Intro to Micro Use 33 **Spanish Requirements** Span 101 Beginning Spanish I 3 3 Span 102 Beginning Spanish II Span 203 Intermediate Spanish I 3 Span 204 Intermediate Spanish II 3 Spanish Composition Span 300 And Syntax 3 Span 326 Peninsular Literature from El Cid to the present Span 336 Survey of Latin American Literature from its' beginnings to the present Electives in Spanish chosen Span with approval of Spanish adviser above the 204 level.** 12

Electives

124**

*Three hours of foreign language fulfill Area 5 requirement of the Core Curriculum. **Must include at least 40 upper-division

hours.

Bachelor of Science in Education with a Major in Spanish **Grades K-12 Certification** One of Two Teaching Fields Plan A

Semester Hours Core Requirements (p. 33) 51* **Computer literacy Requirement: Educ 301 Use of Computer Software** in the Classroom Spanish Requirements** Span 101 Beginning Spanish I 3 Span 102 Beginning Spanish II 3 3 Span 203 Intermediate Spanish I Span 204 Intermediate Spanish II Span 300 Spanish Composition and Syntax 3 Span 326 Peninsular Literature from El Cid to the present Span 336 Survey of Latin American Literature from its' beginnings to the present Electives in Spanish chosen Span

with approval of Spanish

12

adviser above the 204

level.**

Foreign Languages / 91

Intermediate French I

[Humanities and Fine Arts]

[Bio 101 General Biology]

3

Education Certification Requirer	nents
(p. 167)	39-42
Second Teaching Field (some	
fields exceed 30 hrs.)	30
153	-156***

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum.

**A candidate for a degree under Plan A must meet with the Spanish faculty for three orientation sessions at the time of declaring a Spanish education major. These sessions will cover requirements of the program, and a mentor will be assigned the student.

***A minimum of 124 hours is required for a degree, but the exact number depends on the second field. In this example, the total number of hours is greater than 124.

Bachelor of Science in Education with a Major in Spanish Grades K-12 Certification

Grades K-12 Certification
Plan B Single Teaching Field

Semeste	r Hours
Core Requirements (p. 33) 51*	48
Computer Literacy Requirement:	
Educ 301 Use of Computer Softv	vare
in the Classroom	3
Spanish Requirements**	36
0 101 5 1 1 6 111	100000000000000000000000000000000000000

Span 101	Beginning Spanish I	3
Span 102	Beginning Spanish II	3
Span 203	Intermediate Spanish I	3
Span 204	Intermediate Spanish II	3
Span 300	Spanish Composition	
	and Syntax	3
Span 326	Peninsular Literature from	n
	El Cid to the present	3
Span 336	Survey of Latin American	
	Literature from its' beginn	nings
	to the present	3
Span	Electives in Spanish chos	sen
	with approval of Spanish	
	adviser above the 204	
	level.**	15
Education	Certification Requireme	ents

*Required course in psychology satisfies the requirements for three hours of the Core Curriculum.

(p. 167)

**A candidate for a degree under Plan B must meet with the Spanish faculty for three orientation sessions at the time of declaring a Spanish education major. These sessions will cover requirements of the program, and a mentor will be assigned the student.

Minor in Chinese

A minor in Chinese requires 18 hours of courses in Chinese of which six must be upper-division.

Minor in French

A minor in French requires 18 hours of courses in French of which six must be upper division.

Minor in German

A minor in German requires 18 hours of courses in German of which six must be upper division.

Minor in Japanese

A minor in Japanese requires 18 hours of courses in Japanese of which six must be upper division.

Minor in Russian

A minor in Russian requires 18 hours of courses in Russian of which six must be upper division.

Minor in Spanish

A minor in Spanish requires the student to complete 9 hours of approved courses at the 300 level or above in consultation with a Spanish Adviser.

Suggested Order of Study

Bachelor of Arts Major Code 1102 French Major

Freshman Year

13t Sellieste		
Course	H	Hours
Fren 101	Beginning French I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 125 Cont. Math]	3
CORE	[Kine 103 Lifetime Wellness	3 2
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
		18

2nd Semester

39-42

126-129

Zilu Seilleste			
Fren 102	Beginning French II	3	
CORE	[Eng 102 Comp II]	3	
CORE	[Humanities and Fine Arts]	3	
CORE	[Phys 100 Fund of Phys Sci]	5	
CORE	[Kine 101 Physical Activity]	1	
		IE	

Sophomore Year

1st Semester

Fren 203

CORE

CORE

CODE

CORE	[HIST 110 U.S. HISTORY]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc	2] 3
		16
2nd Semeste	er	
Fren 204	Intermediate French II	3
CORE	[Psy 100 or Soc 110]	3
Comp 105	Intro to Micro Use	3
CORE	[Hist 320 U.S. History]	3
CORE	[Econ 180 Amer Econ Syst	3
		15

Junior Year

1st Semest	ter	
Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above]	3
Electives*		6
		15

2nd Semester

Lina Comi	00101	
Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above]	3

Arrange for oral and written proficiency tests in French. Plan for residency requirement in French language.

language.	
Electives*	6
	15

Senior Year

1st Semest	El	
Fren	[General elective 300 or	
	above]	3
Electives*		12
		15

2nd Semester

1st Semest	er	
Fren	[General elective 300 or	
	above]	3
Electives*		12
		15

*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

[Department Recommendations]

For additional information contact:

Dr. Maryann Weber Office: Webster Hall 358 Phone: 417.625.3107

E-mail: weber-m@mail.mssc.edu

Bachelor of Science in Education
Major Code 0858
French Major (Plan A)
Grades K-12 Certification
One of Two Teaching Fields

Freshman Year

1st Semester		
Fren 101	Beginning French I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 125 Cont. Math]	3
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
,	1	0

and Samastar

Zilu Seilleste		
Fren 102	Beginning French II	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
Elective*	Second Teaching Field	6
		15

Sophomore Year

1st Semester

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get a faculty recommendation, write autobiography, and file admission papers for tentative admission.

Fren 203	Intermediate French I	3
Educ 200	Intro to Tchr Educ II	1
CORE	[Humanities and Fine Arts]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc	c]3
CORE	[Phys 100 Fund of Phys Sci	i] 5
Educ 302	Exceptional Child	2
Elective*	Second Teaching Field	4
		21

2nd Semester

Zild Seillestei		
Fren 204	Intermediate French II	3
Educ 301	Use of Computer Software	
	in the Classroom	3
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
Psy 305	Child/Adolescent Dev	4
Elective*	Second Teaching Field	3
		20

Junior Year

Pass media competencies.

If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

1st Semester

F	(Fleeting in Janguage 200	
Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above]	3
Educ 321	Microteaching	2
Educ 329	Ped Theo, Meth & Prac	4

Educ 423	Classroom Management	2	CORE	[Kine 103 Litetime Wellness] 2
Elective*	Second Teaching Field	3	Psy 120	College Orientation	1
Liootivo		20	Educ 100	Intro to Tchr Educ I	1
					16
2nd Semes	ter				
Fren	[Elective in language 300		2nd Semes	ter	
11011	or above]	3	Fren 102	Beginning French II	3
Fren	[Elective in culture 300		Psy 100	General Psychology	3
11011	or above]	3	CORE	[Eng 102 Comp II]	3
Fren	[Elective in literature 300		CORE	[Humanities and Fine Arts]	3
1 1011	or abovel	3	CORE	[Hist 110 U.S. History]	3
Arrange for	r oral and written proficiency	tests in	CORE	[Kine 101 Physical Activity]	1
Allalige lo	oral and minion pronoreity				40

6

18

Senior Year

language.

Psy 310

Electives*

Apply for student teaching during the second week of the semester. All course work must be completed except for Professional Semester courses. 1st Semester

French. Plan for residency requirement in French

Educational Psychology

Second Teaching Field

Fren	[General elective 300 or	
	above]	6
CORE	[Hist 320 U.S. History]	3
CORE	[Econ 180 Amer Econ Sys	s] 3
Educ 412	or Educ 420** or Psy 412	2-3
Educ 422	Content Area Literacy:	
	Secondary (WI)	2
Electives*	Second Teaching Field	3
		19-20

2nd Semester

Educ 345	Tchng For Lang K-12	2
Educ 402	Foundations of Educ (WI)	2
Educ 432	Critical Issue in Educ	2
Educ 464	Student Teaching	8
		14

*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

**Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact: Dr. Maryann Weber Office: Webster Hall 358 Phone: 417.625.3107 E-mail: weber-m@mail.mssc.edu

Bachelor of Science in Education Major Code 0858

French Major (Plan B) **Grades K-12 Certification** Single Teaching Field

Freshman Year

1st Semeste	r	
Fren 101	Beginning French I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 125 Cont. Math]	3

-				
So	pnc	mo	re Y	ear

1st Semester

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get a faculty recommendation, write autobiography, and file admission papers for tentative admission.

Fren 203	Intermediate French I	3
Educ 200	Intro to Tchr Educ II	1
CORE	[Humanities and Fine Arts]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc	:]3
CORE	[Phys 100 Fund of Phys Sci	5
Educ 302	Exceptional Child	2
		17

2nd Semester

Fren 204	Intermediate French II	3
Educ 301	Use of Computer Software	
	in the Classroom	3
Psy 305	Child/Adolescent Dev	4
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
		17

Junior Year

Pass media competencies.

If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

1ct Samastar

ist Semeste		
Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above]	3
Educ 321	Microteaching	2
Educ 329	Ped Theo, Meth & Prac	4
Educ 423	Classroom Management	2
		17

2nd Semes	ster	
Fren	[Elective in language 300	
	or above]	3
Fren	[Elective in culture 300	
	or above]	3
Fren	[Elective in literature 300	
	or above]	3
Arrange for	or oral and written proficiency	tests

French. Plan for residency requirement in French language.

Psy 310	Educational Psychology	3
		12

Foreign Languages / 93

or above]

Microteaching

Ped Theo, Meth & Prac

Educ 321

Educ 329

					ruit	ayıı Lanyuayes	/ ;
Senior Year		2nd Semes	ter		Bachelou	of Science in Education	n
Apply for student teaching during the sec	ond week	Ger 204	Intermediate German II	3			"
of the semester. All course work mus	the com-	CORE	[Psy 100 or Soc 110]		Major Co		
				3	German	Major (Plan A)	
pleted except for Professional Semester	r courses.	Comp 105	Intro to Micro Use	3		(-12 Certification	
1st Semester		CORE	[Hist 320 U.S. History]	3			
Fren [General elective 300 or		CORE	[Econ 180 Amer Econ Sys	st] 3	One of T	wo Teaching Fields	
abovel	6		[15			
CORE [Hist 320 U.S. History]	3			15	Freshman	Vear	
					1st Semes		
CORE [Econ 180 Amer Econ Sy		Junior Yea					
Educ 412 or Educ 420** or Psy 412	2 2-3	1st Semest	er		Ger 101	Beginning German I	3
Educ 422 Content Area Literacy:		Ger	[Elective in language 300		CORE	[Eng 101 Comp I]	3
Secondary (WI)	2	GOI		0	CORE	[Comm 100 Oral Comm]	:
		•	or above]	3	CORE	[Math 125 Cont. Math]	3
	16-17	Ger	[Elective in culture 300				
			or above]	3	CORE	[Kine 103 Lifetime Wellne	SS] 2
2nd Semester		Ger	[Elective in literature 300		Psy 120	College Orientation	
Educ 345 Tchng For Lang K-12	2		or above]	3	Educ 100	Intro to Tchr Educ I	
3		Clastines*	or above]		Psy 100	General Psychology	
		Electives*		6	. 59 100	actional F Sychology	
Educ 432 Critical Issue in Educ	2			15			19
Educ 464 Student Teaching	8						
	14	2nd Semest	ter		2nd Semes	ster	
		Ger			Ger 102	Beginning German II	3
*Electives should be shares in a	41	Gei	[Elective in language 300		CORE	[Eng 102 Comp II]	
*Electives should be chosen in consulta			or above]	3			
the student's major adviser and with the		Ger	[Elective in culture 300		CORE	[Humanities and Fine Arts	-
of a faculty member in a minor field of	study, if		or above]	3	CORE	[Hist 110 U.S. History]	;
one is chosen.		Ger	[Elective in literature 300		CORE	[Kine 101 Physical Activity	/1 .
	ohina aa	GOI	-	^	Elective*	Second Teaching Field	, (
**Must be taken prior to the student tea	oning se-		or above]	3	LIGOTIVE	Scoolid leadining Field	
mester.		Arrange for	oral and written proficiency	tests in			19
		German, Pl	an for residency requiremen	t in Ger-			
[Department Recommendations]		man langua		001	Sophomor	e Year	
			90.		1st Semest		
Tanadalita and taken		Electives*		6		se test for admission.	
For additional information contact:				15			
Dr. Maryann Weber					Verify that A	ACT score is 20+. Have a 2	5 GF
Office: Webster Hall 358		Senior Year			the teachin	g specialty area and a 2.75	cum
		1st Semeste				Get a faculty recommendation	
Phone: 417.625.3107						phy, and file admission paper	
E-mail: weber-m@mail.mssc.edu		Ger	[General elective 300 or				5 101
- maii. Wobor m e maii.moso.caa			above]	3	tative admis		
		Electives*		12	Ger 203	Intermediate German I	3
				15	Educ 200	Intro to Tchr Educ II	1
Bachelor of Arts				13	CORE	[Humanities and Fine Arts	1 3
					CORE	The state of the s	
Major Code 1103		2nd Semest	er			[PSc 120 Gov't:U.S./Sta/L	
German Major		Ger	[General elective 300 or		CORE	[Phys 100 Fund of Phys S	ci] 5
			abovel	3	Educ 302	Exceptional Child	2
		Electives*	abovoj		Elective*	Second Teaching Field	4
Freshman Year		Electives*		12		- Joseph Todoming Field	
1st Semester				15			21
Ger 101 Beginning German I	3						
CORE [Eng 101 Comp I]		*Electives sh	nould be chosen in consultat	ion with	2nd Semes	ter	
	3				Ger 204	Intermediate German II	3
CORE [Comm 100 Oral Comm]	3		major adviser and with the		Educ 301	Use of Computer Software	
CORE [Math 125 Cont. Math]	3	of a faculty i	member in a minor field of	study, if	Luuc 301		
CORE [Kine 103 Lifetime Wellne		one is chose	n.			in the Classroom	3
CORE [Humanities and Fine Arts					CORE	[Humanities and Fine Arts	3
		Donortmant	Pocommondations1		CORE	[Bio 101 General Biology]	4
Psy 120 College Orientation	1	Department	Recommendations]		Psy 305	Child/Adolescent Dev	4
	18						
		For addition	nal information contact:		Elective*	Second Teaching Field	3
2nd Semester		Dr. Sabine					20
	0						
0 0	3		ster Hall 363		Junior Year		
CORE [Eng 102 Comp II]	3	Phone: 417	7.625.9649			competencies.	
CORE [Humanities and Fine Arts	1 3		mer-s@mail.mssc.edu				
ORE [Phys 100 Fund of Phys S		E-mail. Crai	ner-s@maii.mssc.edu			nded by Junior Block instruct	
CORE [Kine 101 Physical Activity						ner education faculty, receive	full
[Kille for Friysical Activity						eacher education.	
	15				1st Semeste		
Sophomore Year					Ger	[Elective in language 300	
st Semester						or above]	3
	0				Ger	[Elective in culture 300	
Ger 203 Intermediate German I	3					or above]	3
CORE [Humanities and Fine Arts	3				Ger	[Elective in literature 300	0
CORE [Bio 101 General Biology]	4				GUI	or above	3
- 371						or apoliol	

[Bio 101 General Biology]

[PSc 120 Gov't:U.S./Sta/Loc]3

[Hist 110 U.S. History]

4 3

CORE

Educ 423	Classroom Management	2
Elective*	Second Teaching Field	3
		20
2nd Semeste	er	
Ger	[Elective in language 300	
	or above]	3
Ger	[Elective in culture 300	
	or above]	3
Ger	[Elective in literature 300	
	or above]	3
Arrange for	oral and written proficiency	tests in
	an for residency requirement	
man languag		
Psy 310	Educational Psychology	3
Electives*		6
2.00700		18

Senior Year

Apply for student teaching during the second week of the semester. All course work must be completed except for Professional Semester courses. 1st Semester

Ger	[General elective 300 or	
	above]	6
CORE	[Hist 320 U.S. History]	3
CORE	[Econ 180 Amer Econ Sys]	3
Educ 412	or Educ 420** or Psy 412 2-	3
Educ 422	Content Area Literacy:	
	Secondary (WI)	2
Electives*	Second Teaching Field	3
	19-2	0

2nd Semester

Educ 345	Tchng For Lang K-12	2
Educ 402	Foundations of Educ (WI)	2
Educ 432	Critical Issue in Educ	2
Educ 464	Student Teaching	8
		14

*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

**Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact:

Dr. Sabine Cramer Office: Webster Hall 363 Phone: 417.625.9649

E-mail: cramer-s@mail.mssc.edu

Bachelor of Science in Education Major Code 0859 German Major (Plan B) **Grades K-12 Certification** Single Teaching Field

Freshman Year

1st Semester

101 0011100	.01	
Ger 101	Beginning German I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3

CORE	[Math 125 Cont. Math]	3
CORE	[Kine 103 Lifetime Wellness]2
Psy 120	College Orientation	1
Educ 100	Intro to Tchr Educ I	1
		16
2nd Semeste	er	
Ger 102	Beginning German II	3
Psy 100	General Psychology	3
CORE	[Eng 102 Comp II]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Kine 101 Physical Activity]	1
		16

Sophomore Year

1st Semester

Pass C-Base test for admission.

Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get a faculty recommendation, write autobiography, and file admission papers for tentative admission.

Intermediate German I	3
Intro to Tchr Educ II	1
[Humanities and Fine Arts]	3
[PSc 120 Gov't:U.S./Sta/Loc	2]3
Exceptional Child	2
	17
ter	2
	[Humanities and Fine Arts] [PSc 120 Gov't:U.S./Sta/Loc [Phys 100 Fund of Phys Sci Exceptional Child

2nd Semeste	er	
Ger 204	Intermediate German II	3
Educ 301	Use of Computer Software	
	in the Classroom	3
Psy 305	Child/Adolescent	4
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
		17

Junior Year

Pass media competencies.

If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

1st Semester

Ger	[Elective in language 300	
	or above]	3
Ger	[Elective in culture 300	
	or above]	3
Ger	[Elective in literature 300	
	or above]	3
Educ 321	Microteaching	2
Educ 329	Ped Theo, Meth & Prac	4
Educ 423	Classroom Management	2
		17
and Compat	or	

Zila dellieste		
Ger	[Elective in language 300	
	or above]	3
Ger	[Elective in culture 300	
	or above]	3
Ger	[Elective in literature 300	
	or above]	3
Arrange for o	oral and written proficiency	tests

German. Plan for residency requirement in German language. **Educational Psychology** 3 Psy 310

12

Senior Year

Apply for student teaching during the second week of the semester. All course work must be completed except for Professional Semester courses. 1st Semester

Ger	[General elective 300 or
	above] 6
CORE	[Hist 320 U.S. History] 3
CORE	[Econ 180 Amer Econ Sys] 3
Educ 412	or Educ 420** or Psy 412 2-3
Educ 422	Content Area Literacy:
	Secondary (WI) 2
	16-17

2nd Semester

Lina Comocia		
Educ 345	Tchng For Lang K-12	2
Educ 402	Foundations of Educ (WI)	2
Educ 432	Critical Issue in Educ	2
Educ 464	Student Teaching	8
		14

*Electives should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

**Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact: Dr. Sabine Cramer

Office: Webster Hall 363

Phone: 417.625.9649 E-mail: cramer-s@mail.mssc.edu

Bachelor of Arts Major Code 1105 Spanish Major

Freshman Year

1st Semeste	r	
Span 101	Beginning Spanish I	3
CORE	[Eng 101 Comp I]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Math 125 Cont. Math]	3
CORE	[Kine 103 Lifetime Wellness] 2
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
		18

2nd Semester Span 102 Beginning Spanish II CORE [Eng 102 Comp II]

CORE	[Humanities and Fine Arts] 3	
CORE	[Phys 100 Fund of Phys Sci] 5	
CORE	[Kine 101 Physical Activity] 1	
	15	

Sophomore Year

Sopriomore	roui	
1st Semeste	r	
Span 203	Intermediate Spanish I	3
CORE	[Humanities and Fine Arts]	3
CORE	[Bio 101 General Biology]	4
CORE	[Hist 110 U.S. History]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc	2]3
		16

Foreign Languages / 95

-						1016	iyii Laiiyuayt5 I	95
2nd Semeste	r		2nd Semes	ster		2nd Semes	ster	3-11-16
Span 204	Intermediate Spanish II	3	Span 102	Beginning Spanish II	3	Educ 402	Foundations of Educ (WI)	2
CORE	[Psy 100 or Soc 110]	3	Psy 100	General Psychology	3	Educ 432	Critical Issue in Educ	2
	Intro to Micro Use	3	CORE	[Eng 102 Comp II]	3			2
	[Hist 320 U.S. History]	3	CORE	[King 101 Physical Activity		Educ 345	Tchng For Lang K-12	2
				[Kine 101 Physical Activity	/] 1	Educ 464	Student Teaching	8
COME	[Econ 180 Amer Econ Sys		CORE	[Humanities and Fine Arts	-			14
		15	CORE	[Hist 110 U.S. History]	3			
			Elective*	Second Teaching Field	6	*Electives s	should be chosen in consultati	on with
Junior Year					22	the student	's major adviser and with the	advice
1st Semester						of a faculty	member in a minor field of s	duvice
Span 300	Spanish Comp & Syntax	3	Sophomor	e Vear		one is chos		study, II
Electives*	,	12	1st Semest	for				
		15	Pass C-Ba				taken prior to the student te	aching
		15				semester.		
and Competer				dmission to teacher educatio	n.			
2nd Semester			Span 203	Intermediate Spanish I	3	[Departmen	nt Recommendations]	
	Peninsular Literature		Educ 200	Intro to Tchr Educ II	1			
1	rom El Cid to the Present	3	CORE	[PSc 120 Gov't:U.S./Sta/Le	ocl3	For addition	onal information contact:	
Span [Spanish elective]	3	CORE	[Humanities and Fine Arts]				
Electives*		9	CORE			Dr. J. R. M		
		15		[Phys 100 Fund of Phys S	-	Office: We	bster Hall 362	
		13	Psy 305	Child/Adolescent Dev	4		7.625.3105	
anian V			Elective*	Second Teaching Field	4			
Senior Year					23	L-mail. mc	orman-j@mail.mssc.edu	
Ist Semester								
Span 336 S	Survey of Latin		2nd Semes	ter				
1	American Literature	3	Span 204	Intermediate Spanish II	3	Bachelor	of Science in Education	
	Spanish elective]	3	Psy 310	Educational Psychology				
lectives*		9	CORE		2	Major Cod		
		15	CORE	[Humanities and Fine Arts]			/lajor (Plan B)	
		15		[Bio 101 General Biology]	4	Grades K-	-12 Certification	
			Educ 302	The Exceptional Child	2		aching Field	
and Semester			Elective*	Second Teaching Field	6	Siligle lea	aciling Field	
	Spanish elective]	3			20			
Span [Spanish elective]	3				Freshman '		
Electives*		9	Junior Year			1st Semeste	er	
		15				Span 101	Beginning Spanish I	3
		15		competencies.		CORE	[Eng 101 Comp I]	3
Classic .	111		1st Semeste			CORE		
	uld be chosen in consultation		Span 300	Spanish Comp & Syntax	3		[Comm 100 Oral Comm]	3
ne student's n	najor adviser and with the	advice	Span 336	Survey of Latin		CORE	[Math 125 Cont. Math]	3
f a faculty me	ember in a minor field of s	tudy, if		American Literature	3	CORE	[Kine 103 Lifetime Wellness	3] 2
ne is chosen.			Educ 329	Ped Theo, Meth & Prac	4	Psy 120	College Orientation	1
			Educ 321	Microteaching		Educ 100	Intro to Tchr Educ I	1
enartment P	ecommendations]		Educ 321		2			16
opartinent n	Confinentiations		Educ 301	Use of Computer Software	3			
				in the Classroom		2nd Semest	er	
	I information contact:		Educ 423	Classroom Management	2			
. J. R. Moo	rman		Elective*	Second Teaching Field	3	Span 102	Beginning Spanish II	3
fice: Webst	er Hall 362				20	Psy 100	General Psychology	3
						CORE	[Eng 102 Comp II]	3
none: 417.6			2nd Semest	or		CORE	[Kine 101 Physical Activity]	1
mail: moore	man-j@mail.mssc.edu					CORE	[Humanities and Fine Arts]	3
			Span 326	Peninsular Literature		CORE	[Hist 110 U.S. History]	
				from El Cid to the Present	3	COLL		3
			Span	[Spanish elective]	3			16
achelor of	Science in Education		Span	[Spanish elective]	3			
ajor Code 0			Span	[Spanish elective]	3	Sophomore	Year	
panish Maj			Educ 422		0	1st Semeste	r	
			Luuc 422	Content Area Literacy:		Pass C-Base		
rades K-12	Certification			Secondary (WI)	2		mission to teacher education.	
ne of Two T	Teaching Fields		Electives*	Second Teaching Field	6			0
	3 . 10.00				20	Span 203	Intermediate Spanish I	3
rochman Ve-						Educ 200	Intro to Tchr Educ II	1
reshman Yea			Senior Year			CORE	[PSc 120 Gov't:U.S./Sta/Loc	:]3
t Semester				dent teaching. All course wor	k must	CORE	[Humanities and Fine Arts]	3
	eginning Spanish I	3				CORE	[Phys 100 Fund of Phys Sci]	
ORE [E	ing 101 Comp I]	3		ed except for Professional S	emes-	Psy 305	Child/Adolescent Dev	4
JIL IL	Comm 100 Oral Comm]	3	ter courses.			. 0, 000		
		3	1st Semeste	r		Ond C		19
ORE [C			Span	[Spanish elective]	3	2nd Semeste		
ORE [N	Math 125 Cont. Math]			[Hist 320 U.S. History]	3	Span 204	Intermediate Spanish II	3
ORE [N	line 103 Lifetime Wellness		CORF	11 1131 ULU U.U. I 1131UIVI	U	D 040		2
ORE [CORE [NO DRE [K	(ine 103 Lifetime Wellness) ollege Orientation	1	CORE		0	Psy 310	Educational Psychology	~
ORE [CONTROL CONTROL C	(ine 103 Lifetime Wellness) ollege Orientation tro to Tchr Educ I		CORE	[Econ 180 Amer Econ Sys]			Educational Psychology [Humanities and Fine Arts]	
ORE [CORE [NOTE NOTE NOTE	(ine 103 Lifetime Wellness) ollege Orientation tro to Tchr Educ I	1	CORE Educ 412	[Econ 180 Amer Econ Sys] or Educ 420** or Psy 412	2-3	CORE	[Humanities and Fine Arts]	3
ORE [CORE [NOTE NOTE NOTE	tine 103 Lifetime Wellness; ollege Orientation tro to Tchr Educ I econd Teaching Field	1 1 3	CORE	[Econ 180 Amer Econ Sys]	2-3	CORE	[Humanities and Fine Arts] [Bio 101 General Biology]	3 4
ORE [CORE [NOTE CORE CORE	tine 103 Lifetime Wellness; ollege Orientation tro to Tchr Educ I econd Teaching Field	1	CORE Educ 412	[Econ 180 Amer Econ Sys] or Educ 420** or Psy 412	2-3	CORE CORE Educ 302	[Humanities and Fine Arts]	3 4 2
ORE [CORE [NOTE NOTE NOTE	tine 103 Lifetime Wellness; ollege Orientation tro to Tchr Educ I econd Teaching Field	1 1 3	CORE Educ 412 Comm 305	[Econ 180 Amer Econ Sys] or Educ 420** or Psy 412 Intercultural Communication Second Teaching Field	2-3 n 3	CORE	[Humanities and Fine Arts] [Bio 101 General Biology] The Exceptional Child	3 4

Junior Year

Pass media competencies.

1st Semester

TOL COMMODIC		
Span 300	Spanish Comp & Syntax	3
Span 336	Survey of Latin	
	American Literature	3
Educ 329	Ped Theo, Meth & Prac	4
Educ 321	Microteaching	2
Educ 301	Use of Computer Software	3
	in the Classroom	
Educ 423	Classroom Management	2

2nd Semes	ter	
Span 326	Peninsular Literature	
	from El Cid to the Present	3
Span	[Spanish elective]	3
Span	[Spanish elective]	3
Span	[Spanish elective]	3
Educ 422	Content Area Literacy:	
	Secondary (WI)	2
		14

Senior Year

Apply for student teaching. All course work must be completed except for Professional Semester courses.

1st Semester

Span	[Spanish elective]	3
CORE	[Hist 320 U.S. History]	3
CORE	[Econ 180 Amer Econ Sys]	3
Educ 412	or Educ 420* or Psy 412 2	2-3
	14-	15

2nd Semester

Tild Collinger			
Educ 402	Foundations of Educ (WI)	2	
Educ 432	Critical Issue in Educ	2	
Educ 345	Tchng For Lang K-12	2	
Educ 464	Student Teaching	8	
		14	

All courses should be chosen in consultation with the student's major adviser and with the advice of a faculty member in a minor field of study, if one is chosen.

*Must be taken prior to the student teaching semester.

[Department Recommendations]

For additional information contact:

Dr. J. R. Moorman Office: Webster Hall 362

Office: Webster Hall 362 Phone: 417.625.3105

E-mail: moorman-j@mail.mssc.edu

Course Descriptions

Arabic (Ara)

Ara 101 (Demand) 3 hrs. cr. **Beginning Arabic I**

Fundamental elements of modern standard Arabic. Basic sentence patterns and grammar.

3 hrs. cr.

1-3 hrs. cr.

1-3 hrs. cr.

Ara 102 (Demand)

Beginning Arabic II

A continuation of 101. Further introduction to the basic skills of listening to and speaking the Arabic language. Prerequisite: Ara 101.

Ara 203 (Demand) 3 hrs. cr.

Intermediate Arabic I

Systematic development of communicative skills in Arabic. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Ara 102.

Ara 204 (Demand) 3 hrs. cr.

Intermediate Arabic II

Continuation of 203. Further systematic development of communicative skills in Arabic. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Arabic 203.

Ara 298 (Demand)

Selected Topics in Arabic

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Ara 498 (Demand)

Special Topics in Arabic

For upper-division students. Topics to be announced each time the course is offered.

Ara 499 (Demand) 1-3 hrs. Independent Study

Individually directed study in Arabic. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

Chinese (Chi)

Chi 100 (Demand) 1 hr. cr.

Introductory Chinese

Introductory course which will acquaint students with Chinese customs, culture, social behaviors, pinyin (Chinese Phonetic Alphabet) and Romanization. The course which will be primarily taught in English will mainly focus on spoken Chinese and written symbol basics such as radicals. No grammar or structural patterns will be explicitly taught in this course. Prerequisite: none.

Chi 101 (F) 3 hrs. ci
Beginning Chinese I (Mandarin)

Pronunciation, grammar, elementary conversation, development of basic communicative skills. Chi 102 (S) 3 hrs. cr.

Beginning Chinese II (Mandarin)

A continuation of 101. Pronunciation, grammar, elementary conversation. Prerequisite: Chi 101.

Chi 203 (F) 3 hrs. cr.

Intermediate Chinese I (Mandarin)

Systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Chi 102.

Chi 204 (S) 3 hrs. cr.

Intermediate Chinese II (Mandarin)

A continuation of Chinese 203. Further systematic development of communicative skills in Chinese. Development of vocabulary. Drill in aural/oral skills. Prerequisite: Chi 203.

Chi 298 (Demand) 1-3 hrs. cr.

Selected Topics in Chinese

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Chi 305 (Demand) 3 hrs. cr. Readings & Conversation I

Continued development of language skills in the target language via readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Chi 204 or equivalent level of proficiency.

Chi 306 (Demand) 3 hrs. cr.

Readings & Conversation II

Continuation of Chinese 305. Continued development of the four basic language skills in the target language via readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Chi 305 or equivalent level of proficiency.

Chi 498 (Demand) 1-3 hrs. cr.

Special Topics in Chinese

For upper-division students. Topics to be announced each time the course is offered.

Chi 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in Chinese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

French (Fren)

Fren 101 (F)

3 hrs. cr.

Beginning French I

The first semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures.

Fren 102 (S) 3 hrs. cr.

Beginning French II

The second semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an intro-

Foreign Languages / 97

duction to the study of French-speaking cultures. Prerequisite: Fren 101 or equivalent level of proficiency.

Fren 203 (F)

3 hrs. cr.

Intermediate French I

The third semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 102 or equivalent level of proficiency.

Fren 204 (S)

3 hrs. cr.

Intermediate French II

The fourth semester of French language instruction developing proficiency in listening, speaking, reading, and writing, and providing an introduction to the study of French-speaking cultures. Prerequisite: Fren 203 or equivalent level of proficiency.

Fren 250

6 hrs. cr.

French Conversation and Grammar

Intensive practice of basic French vocabulary and structures is combined with visits to sites of cultural or historical interest in the Orléans area. Students will have daily classes in grammar and conversation, supplemented by language lab practice and workshop of their choice. Prerequisite: Fren 102 or the equivalent and a placement test.

Fren 298 (Demand)

1-8 hrs. cr.

Selected Topics in French

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Fren 301 (Demand)

3 hrs. cr.

Readings & Conversation

Continued development of the four basic language skills in the target language through readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 302 (Demand)

3 hrs. cr.

Contemporary French Culture and Civilization

Continued development of language skills (listening, speaking, reading, writing). Contemporary France, the daily life of its people, the social and economic institutions which impact them, and the arts and media will be the focus for reading and discussion. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 303 (Demand) 3 hrs. cr. French Composition (Writing Intensive) Practice in writing French accompanied by a study of grammar and syntax. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 304 (Demand)

3 hrs. cr.

Introduction to French

Literature (Writing Intensive) This course is an introduction to basic concepts and terminology of literary criticism through several different critical approaches to the literary text. Reading and discussion of selected poems, plays, and fiction representing various literary periods. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 305 (Demand)

3 hrs. cr.

Contemporary Francophone Cultures

Analysis of contemporary life in selected Frenchspeaking regions: Qu+bec, S+n+gal, and Guadeloupe and Martinique. Students will continue to develop their French language skills. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 306 (Demand)

3 hrs. cr.

French Culture and Civilization

The course will continue the development of the four basic language skills (listening, speaking, reading, and writing). The thematic focus of the class will be the historical, political, social, and cultural development of France from its origins to the 20th century. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 322 (Demand)

3 hrs. cr.

Twentieth-Century French Literature

Reading and discussion of twentieth-century literature from France and the Francophone world. Prerequisite: Fren 301 or equivalent level of proficiency.

Fren 324 (Demand)

3 hrs. cr.

French Theater Studies

Reading and discussion of French plays from different historical and literary periods; practical experience in the classroom reader's theater. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 325 (Demand)

3 hrs. cr.

French Cinema

A survey of the most important aspects of cinematography and cinematographic production in France. Covers major figures in the field of film and an introduction to the major movements. Taught in French with readings both in French and English. Prerequisite: Fren 204 or the equivalent level of proficiency.

Fren 326 (Demand)

3 hrs. cr.

French and the Media

This course will explore the French media (particularly print journalism, television, radio, and the Internet); emphasis is placed on cultural similarities and differences between French and American media and on developing language proficiency related to the media. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 345 (Demand)

1-8 hrs. cr.

Internship in French

Off-campus work experience in areas related to professional goals of students. For advanced students in French. Application must be made during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisite: A minimum of 18 hours in French with a minimum 3.0 GPA; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Fren 350 (Demand)

6 hrs. cr.

Language and Civilization

Intensive development of all language skills (listening, speaking, reading, writing) is combined with visits to sites of cultural or historical interest in Orléans and the surrounding château region. Cultural and literary topics are introduced. Weekend excursions will include Paris, Annecy, and Strasbourg. Prerequisite: Fren 203 or equivalent level of proficiency. A placement test required.

Fren 400 (Demand)

3 hrs. cr.

French for Business

An introduction to French business terminology, concepts, situations, and procedures. Oral and written activities will continue to develop French language skills within a commercial context. Prerequisite: Fren 301 or equivalent level of proficiency.

Fren 401 (Demand)

3 hrs. cr.

French Literature to 1700

An introduction to French literature from the Medieval Period through the seventeenth century. with emphasis on the development of forms and genres. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 403 (Demand)

3 hrs. cr.

Nineteenth-Century French Literature

Reading and discussion of selected works of some of the major poets, novelists, and playwrights of nineteenth-century France; the interrelatedness of history, literature, and the fine arts: emphasis on Romanticism, Realism, and Symbolism. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 404 (Demand)

3 hrs. cr.

French Women Writers

The course will focus on the reading and discussion of works by selected French and francophone women authors from the twelfth through the twentieth centuries. Prerequisite: Fren 204 or equivalent level of proficiency.

Fren 405 (Demand)

3 hrs cr

Francophone Literature

An introduction to twentieth-century Francophone literature of Africa, Québec, and the Antilles. continued practice in developing the language skills (listening, speaking, reading, writing). Prerequisite: Fren 204 or the equivalent level of proficiency.

Fren 498 (Demand)

1-8 hrs. cr.

Special Topics in French

Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Fren 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in French. Prerequisite: Permission of instructor. The proposed study must be approved by instructor, adviser, department head and dean in advance of enrollment.

German (Ger)

Ger 101 (F)

3 hrs. cr.

Beginning German I

An introduction to the basic skills of understanding, speaking, reading and writing in German and to the study of the German speaking cultures.

Ger 102 (S)

Beginning German II

A continuation of Ger 101. Emphasis on the skills of understanding, speaking and writing in German and on the study of the German speaking cultures. Prerequisite: Ger 101 or the equivalent level of proficiency.

Ger 203 (F)

3 hrs. cr.

Intermediate German I

A continuation of Ger 102. Emphasis on the basic skills of understanding, speaking, reading and writing in German and on the study of the German speaking cultures at the intermediate level. Prerequisite: Ger 102 or the equivalent level of proficiency.

Ger 204 (S)

3 hrs. cr.

Intermediate German II

A continuation of Ger 203. Emphasis on the basic skills of understanding, speaking, reading and writing in German and on the study of the German speaking cultures, continuing at the intermediate level. Prerequisite: Ger 203 or the equivalent level of proficiency.

Ger 298 (Demand)

1-8 hrs. cr.

Selected Topics in German

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Ger 301 (F)

3 hrs. cr.

Readings & Conversation

Continued development of the four basic language skills in the target language through readings and conversation. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Ger 204 or the equivalent level of proficiency.

Ger 302 (Demand)

3 hrs. cr.

Readings in Literature and Culture

Continued development of the four basic language skills in the target language through readings and conversation in culture and literature. The study of more complex patterns in communicative skills is emphasized. Prerequisite: Ger 204 or the equivalent level of proficiency.

Ger 305 (Demand) **Business German**

3 hrs. cr.

Gain solid knowledge of basic business German vocabulary including topics such as: finances, European Union, traffic and transportation, business correspondence, job application, tourism, consumer (taxes), social structure, industry and work environment, trade, and environmental issues. Samples of International Business German conclude the course. Prerequisite: German 204 or equivalent level of proficiency.

Ger 306 (Demand)

3 hrs. cr.

German History and Civilization

Student will continue the development of the four basic language skills (listening, speaking, reading, writing). The thematic focus of this class will be the historical, political, social, and cultural development of Germany (and in part also Austria) from its origins to the 20th century. The class will be taught exclusively in the target language. Prerequisite: Ger 204 or equivalent level of proficiency.

Ger 345 (Demand)

1-8 hrs. cr.

Internship in German

Off-campus work experience in areas related to professional goals of students. For advanced students in German. Students must make application for the program during the first half of one semester for the following semester and must be approved prior to enrolling. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in German with a minimum 3.0 GPA.; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Ger 401 (Demand)

3 hrs. cr.

German Music, Literature, and Art

Literature, music and art mirror historical development, social restructuring, political presence, and allow a glimpse into German culture. The course focuses on the interrelationship among the arts from the end of the 19th century to the 1930s. Prerequisite: Ger 204 or equivalent level of proficiency.

Ger 415 (Demand)

3 hrs. cr.

German Literature to 1500

As an introduction to early German literature of the eras of pre-Christian Germanic literature, the first Germanic bible translations, and Old High Germanic literature German epic literature from the Middle High German period, as well as courtly poetry, are included in this course with an emphasis on the change of literary forms in light of societal restructuring. Prerequisite: Ger 204 or equivalent level of proficiency.

Ger 416 (Demand)

3 hrs. cr.

German Literature 1500 - 1800

The three centuries comprehend German literature from the German Renaissance to the Sturm und Drang period, including Reformation, Barock and Enlightenment. Prerequisite: Ger 204 or equivalent level of proficiency.

Ger 417 (Demand)

3 hrs. cr.

German Literature: 19th Century

The Weimarer Klassik with Goethe and Schiller, German Early Romanticism, the Biedermeier period, Realism and Naturalism form the basis for the topics of this course. Prerequisite: Ger 204 or equivalent level of proficiency; approval by instructor.

Ger 418 (Demand)

3 hrs. cr.

German Literature: 20th Century

Early 20th Century literature, marked by the influence of Friedrich Nietzsche and Sigmund Freud, embraces interdisciplinarity, especially in the era before World War II, Expressionism. Post World War II literature constitutes the second half of the semester. Prerequisites: Ger 204 or equivalent level of proficiency; approval by instructor.

Ger 498 (Demand)

1-8 hrs. cr.

Special Topics in German

Advanced topics not normally included in regular offerings. Prerequisites are determined by the department and stipulated in the syllabus for each specific offering.

Ger 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in German. Prerequisite: Permission of instructor. The proposed study must be approved by instructor, adviser, department head and dean in advance of enrollment.

Japanese (Jpn)

Jpn 100 (Demand)

1 hr. cr.

Introductory Japanese

Introductory course which will acquaint students with Japanese alphabet, customs, culture and social behaviors. Focus on spoken Japanese and Japanese written alphabet. No grammar or structural patterns will be explicitly taught in this course. Prerequisite: none.

Jpn 101 (F)

3 hrs. cr.

Beginning Japanese I

Pronunciation, conversation and grammar. Aural/oral drill.

Jpn 102 (S)

3 hrs. cr.

Beginning Japanese II

Continuation of Japanese 101. Additional work in pronunciation, conversation and grammar. Aural/oral drill. Prerequisite: Jpn 101.

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Jpn 203 (F)

3 hrs. cr.

Intermediate Japanese I

Grammar review and continued aural/oral practice. Prerequisite: Jpn 102.

Jpn 204 (S)

3 hrs. cr.

Intermediate Japanese II

Continuation of Japanese 203 with additional grammar review and continued aural/oral practice. Prerequisite: Jpn 203.

Jpn 298 (Demand)

1-3 hrs. cr.

Selected Topics in Japanese

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Jpn 305 (Demand)

3 hrs. cr.

Advanced Japanese I

First half of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana, and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: Jpn 204 or placement test.

Jpn 306 (Demand)

3 hrs. cr.

Advanced Japanese II

Conclusion of an advanced course on spoken and written Japanese. This third-year course will continue to focus on the spoken language, but increased attention will be given to reading in the native script and to writing. Students who enroll in the course must be able to read and write in hiragana and katakana, and should be familiar with the basic kanji introduced in Japanese 100 and 200 level. Prerequisite: Jpn 305 or placement test.

Jpn 498 (Demand)

1-3 hrs. cr.

Special Topics in Japanese

For upper-division students. Topics to be announced each time the course is offered.

Jpn 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in Japanese. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

Russian (Rus)

Rus 101 (F, S)

3 hrs. cr.

Beginning Russian I

Emphasis on the basic communicative skills of listening, speaking, reading and writing the Russian language. Structural grammar and basic vocabulary.

Rus 102 (F, S)

3 hrs. cr.

Beginning Russian II

A continuation of Rus 101. Further introduction to the basic skills of listening to, speaking, reading and writing the Russian language. Prerequisite: Rus 101 or equivalent level of proficiency.

Rus 103 (Demand)

6 hrs. cr.

Accelerated Russian for Business

An intensive overview of Russian language for beginners, developing working proficiency in listening, speaking, reading, and writing in the area of business.

Rus 203 (F. S)

3 hrs. cr.

Intermediate Russian I

Systematic development of communicative skills in Russian. Development of vocabulary through reading, writing. Drill in aural/oral skills. Prerequisite: Rus 102 or equivalent level of proficiency.

Rus 204 (F, S)

3 hrs. cr.

Intermediate Russian II

A continuation of Rus 203. Further systematic development of communicative skills in Russian. Development of vocabulary through reading, writing. Drill in aural/oral skills. Prerequisite: Rus 203 or equivalent level of proficiency.

Rus 298 (Demand)

1-3 hrs. cr.

Selected Topics in Russian

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Rus 305 (Demand)

3 hrs. cr.

Conversation and Composition

Another step in developing a more comprehensive proficiency in Russian with a particular emphasis on speaking and writing. The course demands from the student an active use of new and already acquired vocabulary and grammar structures, as well as of syntactical features of oral and written expression. Prerequisite: Rus 204 or equivalent level of proficiency.

Rus 325 (Demand)

3 hrs. cr.

Film in Soviet and Russian History

A survey of the most important aspects of cinematography and cinematographic production in the Soviet Union and Russia. Covers major figures in the field of film as well as an introduction to the major filmic schools and movements. Taught in Russian with readings in both Russian and English. Prerequisite: Rus 204.

Rus 330 (Demand)

3 hrs. cr.

Russian Short Story

A survey of the major Russian short stories of the 19th and 20th centuries. Classes will involve discussion of the main figures of Russian literature. The course is to be taught entirely in Russian. Prerequisite: Rus 204.

Rus 498 (Demand)

1-3 hrs. cr.

Special Topics in Russian

For upper-division students. Topics to be announced each time the course is offered.

Rus 499 (Demand)

1-3 hrs. cr.

Independent Study

Individually directed study in Russian. Prerequisite: Permission of instructor. The proposed study must be approved by the instructor, adviser, department head and dean in advance of enrollment.

Spanish (Span)

Span 101 (F, S)

3 hrs. cr.

Beginning Spanish I

The first semester of Spanish language instruction, developing proficiency in listening, speaking, reading, and writing.

Span 102 (F, S)

3 hrs. cr.

Beginning Spanish II

The second semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. Prerequisite: Span 101 or equivalent level of proficiency.

Span 203 (F, S)

3 hrs. cr.

Intermediate Spanish I

The third semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. Prerequisite: Span 102 or equivalent level of proficiency.

Span 204 (F, S)

3 hrs. cr.

Intermediate Spanish II

The fourth semester of Spanish language instruction developing proficiency in listening, speaking, reading, and writing. Prerequisite: Span 203 or equivalent level of proficiency.

Span 208 (Demand)

3 hrs. cr.

Spanish for Nursing and **Health Professionals**

Taught in Spanish. Practical Spanish for licensed or eligible candidates in the health care field. Prerequisites: Spanish 102 or the equivalent level of proficiency, and Health Assessment in English.

Span 298 (Demand)

3 hrs. cr.

Selected Topics in Spanish

Topics not normally included in another course. Prerequisites are determined by the department and stipulated in the syllabus.

Span 300 (F,S)

3 hrs. cr.

Spanish Composition

and Syntax (Writing Intensive) Initial oral and written composition with emphasis on grammar; verbal aspect, modals, and tense contrasts through significant practice and sentence drills. Prerequisite: Span 204 or equivalent level of proficiency.

Span 306 (F)

3 hrs. cr.

Introduction to Spanish

Civilization

(Writing Intensive)

Continued development of the four basic language skills through reading and conversation in Spanish culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Co-requisite: Span 204 or equivalent level of proficiency.

Span 307 (S)

3 hrs. cr.

Introduction to Latin **American Civilization**

Continued development of the four basic language skills in the language through reading and conversation in Latin American Culture. The study of more complex patterns in communicative skills is emphasized. Taught in Spanish. Co requisite: Span 204 or equivalent level of proficiency.

Span 308 (Demand)

3 hrs. cr.

Latin American Civilization: Mexico

An overview of the history of Latin American civilization using Mexico as the main frame of references and the major case for study. Prerequisite: Span 204 or equivalent level of proficiency.

Span 310 (F)

3 hrs. cr.

Conversation I

Emphasis on the basic survival skills of understanding, speaking, and reading in Spanish, and on the study of the Spanish speaking cultures. Prerequisites: Span 204 or equivalent level of proficiency.

Span 326 (S)

3 hrs. cr.

Peninsular Literature from

El Cid to the present

Spain's literary history and important representative works and writings from El Cid to the present. Taught in Spanish. Co requisite: Span 300 or equivalent level of proficiency.

Span 335 (Demand)

3 hrs. cr.

Mexican Literature (Writing Intensive) Major figures and movements in the history of Mexican literature with an emphasis on the 20th century. Taught in Spanish as a seminar. Weekly lectures will alternate with discussion of the readings on a one-to-one basis. Prerequisite: Span 204 or equivalent level of proficiency.

Span 336 (F)

3 hrs. cr.

Survey of Spanish American Literature Survey of Spanish American literature from its beginnings to the present. Taught in Spanish. Co req-

uisite: Span 300 or equivalent level of proficiency.

Latin American Cinema

Span 340 (Demand) 3 hrs. cr.

A survey of the most important aspects of cinematography and cinematographic production in Latin America. Covers major figures in the field of film as well as an introduction to the major filmic schools and movements. Special emphasis will be placed on the cultural context that made the reception and production of the motion pictures a significant event. The course is to be taught entirely in Spanish with readings in both Spanish and English. Prerequisite: Span 204 or equivalent level of proficiency.

Span 343 (Demand)

3 hrs. cr.

Hispanic Children's Literature

Children's literature in Spanish from the Hispanic world in all genres. Weekly lectures on the readings will focus on cultural idiomatic recognition as well as cultural behavioral conditions under which the texts were created. Taught in Spanish. Prerequisite: Span 204 or equivalent level of proficiency.

Span 345 (Demand)

1-8 hrs. cr.

Internship in Spanish

Off-campus work experience in areas related to professional goals of students. For advanced students in Spanish. Students must be approved for the program prior to enrolling. Application must be made during the first half of one semester for the following semester. Students work under joint supervision of a faculty member and a representative of the organization providing the intern experience. A student may repeat the course to a maximum of 8 hours credit. Prerequisites: A minimum of 18 hours in Spanish with a minimum 3.0 GPA; approval of department head before enrolling. Some internships may have specific prerequisites. Guidelines for the internship program are available in the department's offices and must be followed.

Span 350 (Demand)

3 hrs. cr.

Latin American Contemporary Issues:

The Others' Perspective

Current Latin American issues studied with the goal of developing consciousness about the last 30 years of Latin American reality from the perspective of the people. Taught in Spanish with some materials in English. Uses written articles, the Internet and World Wide Web, the Latin American press, and movies. Co requisite: Span 300 or equivalent level of proficiency.

Span 400 (Demand)

3 hrs. cr.

Hispanic Drama

Select works from Spain and Spanish America's most prominent playwrights. Readings and lectures with discussion on the socio-economic, political and cultural implications of different plays. Taught in Spanish. Co requisite: Span 300 or equivalent level of proficiency.

Span 410 (F)

3 hrs. cr.

Conversation II

Spanish language and culture in the framework of the students' potential areas of contact: personal, travel and occupational. Conversation is the major course component. Prerequisite: Co requisite:

Span 300 or equivalent level of proficiency.

Span 420 (S)

3 hrs. cr.

Advanced Spanish

(Writing Intensive) Composition Advanced study of the three major components of Spanish grammar, with emphasis on: verbal moods, lexical items, the effects of stress, idiomatic usage, orthography, the principles of translation and composition. Prerequisite: Span 300 or equivalent level of proficiency.

Span 498 (Demand)

1-3 hrs. cr.

Special Topics in Spanish Language/Literature

For upper-division students. Topics to be announced each time the course is offered. Prerequisite: As stated in the syllabus for the specific offering.

Span 499 (F, S)

1-3 hrs. cr.

Independent Study

Individually directed study in selected areas for advanced majors in Spanish. Prerequisite: Must have completed 90 hrs. with a cumulative GPA of 3.0 and must have 15 hrs. in Spanish. The proposed study must be approved by instructor, adviser, department head and school dean prior to enrollment.

Other Languages (OL)

OL 298 (Demand)

Special Topics in Foreign Languages

Languages not currently a part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific target language will be structured with the objective of developing the speaking, understanding, reading and writing skills of the student in the target language. Each offering will have a syllabus stating specific requirements of the course as well as prerequisites.

OL 498 (Demand)

1-5 hrs. cr.

Advanced Topics in Foreign Languages Advanced studies in foreign languages and literatures not currently part of the curriculum may be offered on appropriate demand, subject to the availability of faculty. For each offering, a course in a specific language will be structured with the objective of developing further the speaking, understanding, reading and writing skills of the student in the target language, as well as developing a further awareness of the literature of the specific language. Each offering will have a syllabus stipulating specific requirements of the course as well as prerequisites.

Translating (Tran)

Tran 300 (Demand)

3 hrs. cr.

Introduction to Professional Translating

An introduction to the general principles, procedures, theories, and tools of translating. Students will translate a wide variety of short texts into English. Some basic principles of linguistics will be covered. The language combinations possible will be determined by the availability of faculty at the time of preregistration for the course. Prerequisites: Excellent English language skills and completion of at least one foreign language course at the 300 level or the equivalent.

Geography / 101

Geography (Minor)

Webster Hall 241, 417,625,9564

Faculty Miller - Head, Kaldjian

Geography is concerned with the spatial dimension of human experience, namely, space and place. As an integrative discipline, it brings together the physical and human dimensions of the world in the study of people, places, and environments. The subject matter of geography is the Earth's surface and the processes that shape it, the relationships between people and environments, and the connections between people and places.

The minor in Geography emphasizes topical and regional studies, complementing programs of study for students majoring in International studies and history, among other fields of study. Though a major is not offered, sufficient hours are available to meet social studies teacher certification standards, as well as to provide a solid basis for graduate studies in geography. The geography minor consists of 21 semester hours, as outlined below.

The Geography Club is open to all students who are interested in geography. It provides an informal setting for students to explore geographical ideas - and to do geography - through field trips and sponsored activities.

Minor in Geography - 21 hours

Required Core (12 hours):

	Semester	Hours
Geog 101	Intro to Geography	3
Geog 211	Regions and Nations	3
Geol 201	Physical Geography*	3
Geog 310	Human and Cultural	
	Geography	3
		40

Choose of	iours irom topical geogl	rapny
Geog 311	Political Geography	3
Geog 322	Economic Geography	3
Geog 352	Introduction to GIS and	
	Remote Sensing	3
Geog 457	Urban Geography	3
Geog 498	Seminar in Geography	
	(human/cultural)	3

Choose 3 hours from advanced regional geography:

Geog 369	Geography of the Middle	
	East and North Africa	3
Geog 382	Geography of Europe	3
Geog 412	Geography of Latin	
	America	3
Geog 422	Geography of the United	
	States and Canada	3
Geog 498	Seminar in Geography	
	(advanced regional	
	geography)	3

*For course description, see under Geology.

Course Descriptions

Geog 101 (S, Odd) Intro to Geography

3 hrs. cr.

An introduction to geography, with the goal of increasing geographic literacy and recognizing the importance of geography in every day life. This course introduces students to the discipline, its basic principles, and major concepts, tools, techniques, and methodological approaches. It traces the development of modern geography and surveys its physical and human sub-disciplines.

Geog 211 (F, S)

Regions and Nations

Survey of the peoples of the earth and how their activities are influenced by climate, topography and natural resources.

Geog 298 (Demand) 3 hrs. cr.

Topics in Geography

Special geography topics of current interest. Subjects and instructors are changed each semester. Students are encouraged to submit areas of interest to the social science department.

Geog 310 (F) 3 hrs. cr.

Human and Cultural Geography

Study of the outcome of interaction between humankind and environment as expressed in the spatial organization of human activities, culture, and settlement patterns.

Geog 311 (S, Odd) 3 hrs. cr.

Political Geography

Geographic factors which have influenced international relations and the policies of states as political units. Emphasis on geopolitics, religion, racial and ethnic groupings and other factors which may contribute to unity or disunity.

Geog 322 (S, Odd)

3 hrs. cr.

Economic Geography

World commodities and geographic factors which affect their production and make them significant to the world economy.

Geog 352 (Demand)

3 hrs. cr.

Introduction to GIS and Remote Sensing An introduction to the basic concepts of map reading, Geographic Information System (GIS),

and Remote Sensing (RS) as tools for spatial analyses and resource management.

Geog 369 (F)

3 hrs. cr.

Geography of the Middle East and North Africa

Analysis of the physical, cultural, economic, and political geography of the Middle East and North Africa (MENA), with emphasis on understanding its people and places, recognizing the roots of conflict in the region, and developing an awareness of the importance of this region.

Geog 382 (S, Even)

3 hrs. cr.

Geography of Europe

This course examines the diverse geographies of Europe, combining systematic and regional approaches in the analysis of its environments, people and places.

Geog 412 (Demand)

3 hrs. cr.

Geography of Latin America

Cultural and physical regions and natural resources of South America, Central America, and the Caribbean Islands. Special emphasis on current problems and relations with the United States.

Geog 422 (S, Odd)

3 hrs. cr.

3 hrs. cr.

Geography of the **United States and Canada**

Geographic analysis of the United States and Canada with emphasis on regional variations of social, economic, and physical phenomena.

Geog 457 (S, Even)

3 hrs. cr.

Urban Geography

Analysis of the characteristic pattern of urban space, spatial organization of urban settlement and urban societies.

Geog 498 (Demand)

3 hrs. cr.

Seminar in Geography (advanced regional geography or human/cultural)

Study and analysis of selected topics in advanced regional geography.

Geog 499 (Demand)

1-2-3 hrs. cr.

Independent Study

For students who wish to do an in-depth study of some specialized topic or who wish to pursue a topic not considered in the departments course offerings. The individualized project will be di-

rected by an instructor/adviser from the geography faculty in consultation with the student.

Geology

Reynolds Hall 210, 417.625.9376

Faculty Sloan - Head, Knapp

Geology, the study of the processes shaping planet earth, is of interest to civil engineers, environmental scientists, geographers, and biologists. Professionals find their background in geology useful for graduate studies, land-use planning, assessment of natural environmental hazards, resource development and waste disposal.

Geophysics studies the underlying forces responsible for geologic processes and develops the technology for probing the subsurface and interior of the earth. Professional geophysicists work to understand the nature of volcanic eruptions, the behavior and potential prediction of earthquakes, the mechanisms behind continental drift, how to better predict the behavior of the atmosphere, and to develop technologies to search for new mineral and energy resources.

The Physical Science department participates in a cooperative transfer program with the University of Missouri-Rolla which allows students to complete their first two years of study toward a Bachelor of Science degree in either geology or geophysics at Missouri Southern and then transfer to UMR for the completion of the last two years of the degree. Interested students should pick up a transfer booklet from the Physical Science department that lists the entire course sequence at MSSC and UMR. The program is adaptable so that students may also complete the degree at the University of Missouri at Columbia or Southwest Missouri State University in Springfield.

The geology courses at Southern support majors in other fields such as geography and environmental health and enable students to meet state certification requirements for teaching general science and earth science at the 7th through 12th grade levels.

For additional information contact:

Dr. John Knapp

Office: Reynolds Hall 208 Phone: 417.625.9720

E-mail: knapp-j@mail.mssc.edu

Course Descriptions

Geol 110 (S)

5 hrs. cr.

Introduction to Geology

Materials of the earth, structures and geologic features of the surface in relation to the processes and forces producing them. Laboratory study of minerals and rocks and topographic and geologic maps. Additional one-day field trips may be required. Three lectures, two 2-hr. labs per week.

Geol 180 (F, Odd)

3 hrs. cr.

Introduction to Meteorology

Fundamentals of the circulation of the atmosphere, sequence of weather events. Includes interpretation of weather maps. Three lectures per week. Prerequisite: Physics 100 or equivalent.

Geol 201 (F, Even)

3 hrs. cr.

Physical Geography

Study of the physical or natural aspects of man's environment, with emphasis on land form development, oceanographic features, and climate. Students may not receive credit for both Geol 110 and Geol 201.

Geol 202 (F, Even)

1 hr. cr.

Map and Photo Interpretation

An introduction to the interpretation of topographic maps, aerial photos, and satellite images. One 3-hour laboratory per week. Designed to compliment Geol 201. Prerequisite: Geol 201 or equivalent, may be taken concurrently. Students may not receive credit for both Geol 110 and Geol 202.

Geol 300 (F, Even)

4 hrs. cr.

Environmental Geology

An introduction of man's relationship to the earth's environment. The impact and mitigation of natural disasters, such as volcanoes, earthquakes, landslides, floods, subsidence are analyzed for various actual cases. Includes the effects of oil spills, surface mining, waste disposal, ground water contamination and other man-made geologic hazards. The limitations of natural resources and projections for future needs are considered in terms of man's demand on the environment. Prerequisite: Five credits in physical science, physics, and/or chemistry.

Geol 320 (S, Even)

4 hrs. cr.

Historical Geology

A comprehensive study of the history of the earth within a plate-tectonics context. Emphasizes the global evolution of landscapes and the fossil record. Laboratory includes geologic mapping, the interpretation of geologic history from map and fossil data, and fossil identification. Three hours of lecture and one 2-hr. lab per week. Prerequisites: Geol 110 (Bio 101 or equivalent recommended).

Geol 498 (Demand)

1-3 hrs. cr.

Studies in Geology

In depth study of the geology of a particular region or system of regions through classroom sessions and/or field trips. Extended field trips will require a special lab fee and, in some cases, special physical conditioning or training. The region or area of interest varies from year to year. Prerequisites: Geol 320 and/or consent of the instructor.

Geol 499 (Demand)

1-3 hrs. cr.

Geology Field Studies

Individual work under the supervision of a staff member with credit and hours to be arranged. Problems may be undertaken in any field of geology with adequate preparation and the consent of the supervising instructor. Prerequisite: Minimum GPA of 3.0 in 20 hrs. of science, Geol 110 and a proven interest in geology.

History

Webster Hall 241, 417.625.9564

Faculty Miller - Head, Cebula, Laas, Markman, Schmidt, Tannenbaum, Teverow, Wagner

A bachelor of arts degree with a major in history prepares students for entering career positions in business, governmental and community service fields and for entry into graduate programs in the social sciences and law. A bachelor of science in education with a major in social studies history emphasis - certifies a student to enter professional teaching at the secondary school level. A minor in history is available for students majoring in other disciplines. Also see page 126 for a social sciences minor or the social studies for secondary education minor.

Core Curriculum requirements and Missouri statute requirements are met by History 110 and History 120 or 320. History 130 or 140 may also be used to meet certain Core Curriculum requirements. History 110 or 120 is a prerequisite for all upper division U. S. history courses. History 320 substitutes for 120, but may not be used to fulfill upper division history requirements.

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History 130 or 140 is a prerequisite for all upper division European, Asian, or Latin American history courses.

Hist 130 or 140 cannot be taken as a corequisite with any upper division European or Asian history course.

Student Organizations

History Club is open to all students who are interested in history. The club provides an informal setting for students to pursue their interests in history and sponsors a wide variety of activites each semester.

Pi Alpha Theta is the national honor society in history. Pi Alpha Theta recognizes academic excellence in the field and encourages its members to participate in the activities of its national organization. Locally, Pi Alpha Theta members share many activities with the history club.

Bachelor of Arts with a Major in History

		Semester	Hours
	Core Requ	irements (p. 33) 51*	42
	Computer	Literacy Requirement -	
	determined	d by Social Sciences	
	Departmen	nt	3
	Foreign La	nguage (four courses i	n
	one langua	age)	12
	History Re	quirements	39
	Hist 110	U. S. History 1492-1877	3
	Hist 120	U. S. History 1877-Preser	nt
	OR		
	Hist 320	U. S. History 1877-Preser	nt 3
	Hist 130	Western Civilization	
		to 1660	3
	Hist 140	Western Civilization	
1		Since 1660	3
'	Hist 150	Asian Civilizations	
	OR		
	Hist 210	History of Latin America	3
	Hist 201	Introduction to Historical	
		Research**	3
	Hist 497	Seminar in Historical	
		Research**	3
	Hist	Upper Division U.S.**	6
	Hist	Upper Division European	n
		or Asian	
		or Latin American**	6
	Hist	Upper Division Electives*	* 6
	Electives		28
,			124***

*Required History courses satisfy Major requirements and 9 hours of Core Curriculum.
**See Prerequisites.

***Must include at least 40 upper division (300-400 level) hours.

Bachelor of Science in Education with a Major in Social Studies Grades 9-12 Certification

History Emphasis

Plan B Single Teaching Field

Semester	Hours
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	uirements (p. 33) 51*	33
Hist 110		39
	U.S.History 1492-1877	3
Hist 120	U.S. History 1877-Preser	11
OR	U.C. Illiatana 1077 Busana	
Hist 320	U.S. History 1877-Present	3
Hist 130	Western Civilization	
111 1 1 1 1 0	to 1660	3
Hist 140	Western Civilization	
	Since 1660	3
Hist 150 OR	Asian Civilizations	
Hist 210	History of Latin America	3
Hist 201	Introduction to Historical	
	Research**	3
Hist 497	Seminar in Historical	
	Research**	3
Hist	Upper Division U.S.**	6
Hist	Upper Division European	3
Hist	Upper Division Latin	
	American or Asian**	3
Hist	Upper Division Electives**	6
Supportin	g Requirements	21
PSc 120	Gov't: U.S./State/Local	3
PSc	Upper Division Elective	3
Soc 110	Introduction to Sociology	3
Soc	Upper Division Elective	3
Geog 211	Regions and Nations	3
Geog	Upper Division Elective	3
Econ 180	Amer Econ System	3
Education	Certification Requireme	nts
(p. 167)		39-40
Elective		1-2
		133

*Required history, political science, sociology and economics courses satisfy major requirements and 18 hours of Core Curriculum. **See Prerequisites

Minor in History

	Semester	Hours
Hist 110	U.S. History 1492-1877	3
Hist 120 OR	U.S. History 1877-Prese	nt
Hist 320	U.S. History 1877-Prese	nt 3
Hist 130 OR	Western Civilization To	1660
Hist 140	Western Civilization	
	Since 1660	3
Hist	Upper Division U.S.	
	Elective*	3

Hist Upper Division European

or Asian

or Latin American

Elective**

*Must be chosen with approval of history adviser.

Minor in Social Studies for Secondary Education

See page 126.

Suggested Order of Study

Bachelor of Arts Major Code 2205 History Major

Freshman Year

1st Semester		
Course		Hours
Hist 110	U.S. History 1492-1877*	3
CORE	[Eng 101 Comp I]	3
CORE	[Math 125 Cont Math]	3
CORE	[Kine 103 Lifetime Wellnes	s] 2
CORE	[Kine 101 Physical Activity]	1
CORE	[Humanities and Fine Arts]	3
Psy 120	College Orientation	1
		16

2nd Semester

Zila Comott		
Hist 120	U.S. History 1877-Present*	
OR		
Hist 320	U.S. History 1877-Present*	3
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc]	3
CORE	[Bio 101 Gen Biology]	4
CORE	[Comm 100 Oral Comm]	3

Sophomore Year

Sopnomore	Year	
1st Semeste	r	
Hist 130	Western Civilization to 1660	3
Foreign Lang	guage	3
CORE	[Eng Literature]	3
Hist 201	Introduction to Historical	
	Research	2
CORE	[Econ 180 Amer Econ Sys]	3
		14
2nd Semeste	er	
Hist 140	Western Civ Since 1660	3

2nd Semester			
Hist 140	Western Civ Since 1660	3	
Foreign La	nguage	3	
CORE	[Soc 110 Intro to Sociology]	3	
CORE	[Phys 100 Fund of Phys Sci]	5	
CORE	[Computer Literacy course		
	selected with adviser's		
	approval]	3	

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Junior Year	nud be introduced	
1st Semeste		
Hist 150 OR	Asian Civilizations	
Hist 210	History of Latin America	3
CORE	[Humanities and Fine Arts]	3
CORE	[International Cultural Stu]	3
Foreign Lang		3
Elective	[A minor is suggested]	3
		15
2nd Semeste		
Hist	Upper Division U.S. (not 320)	
Foreign Lang	guage	3
Electives	[A minor is suggested]	9
		15
Senior Year		
1st Semeste	r	
Hist	Upper Div Eur or Asian	
	or Latin American**	3
Hist	Upper Div Elective (not 320)	3
Electives	[A minor is suggested]	9
		15
2nd Semeste	er	
Hist	Upper Div Elective (not 320)	6
Hist 497	Seminar in Hist Research	3
Electives	[A minor is suggested]	7
		16
*Also meets **See Prerec	a Core Curriculum requireme quisites	nt.
[Department	Recommendations]	

For additional information contact:
Dr. Robert Markman

Office: Webster Hall 243 Phone: 417.625.9740

E-mail: markman-r@mail.mssc.edu

Bachelor of Science in Education
Major Code 0843
Social Studies Major
(Plan B) Single Teaching Field
Grades 9-12 Certification
History Emphasis

Freshman Year

1st Semeste	r	
Course		Hours
Hist 110	U.S. History 1492-1877*	3
CORE	[Eng 101 Comp I]	3
Psy 100	General Psychology	3
CORE	[Math 125 Cont Math]	3
Psy 120	College Orientation	1
Educ 100	Orientation to Education I	1
CORE	[Comm 100 Oral Comm]	3
		17

2nd Semeste	er	
Hist 120	U.S. History 1877-Present*	
OR		
Hist 320	U.S. History 1877-Present*	3
CORE	[Eng 102 Comp II]	3
PSc 120	Gov't: U.S./State/Local*	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 101 Activities]	1
Elective		3
		17
	Hist 120 OR Hist 320 CORE PSc 120 CORE CORE	OR Hist 320 CORE [Eng 102 Comp II] PSc 120 Gov't: U.S./State/Local* CORE [Bio 101 General Biology] CORE [Kine 101 Activities]

Sophomore Year

1st Semester		
Take C-Base	test.	
Hist 130	Western Civilization to 1660	3
Hist 201	Intro to Hist Research	2
CORE	[Eng Literature]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Phys 100 Fund of Phys Sci]	5
Educ 200	Orientation to Education II	1
Psy 301	Adolescent Psychology	3
	1	9

2nd Semester

Apply for admission to Teacher Education.		
Hist 140	Western Civ 1660-Present	3
Geog 211	Regions and Nations	3
Soc 110	Intro to Sociology*	3
CORE	[Humanities and Fine Arts]	3
Psy 310	Educational Psychology	2
Educ 302	Exceptional Child	2
		16

Junior Year 1st Semester

Pass media d	competencies.	
Hist 150	Asian Civilizations	
OR		
Hist 210	History of Latin America	3
Econ 180	Amer Econ System	3
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 301	Use of Comp Sftwr in Clsrm	3
Educ 423	Classroom Management	2
		17

Hist	Upper Div U.S. (not 320)	3
Hist	Upper Div Eur or Asian	
	or Latin American**	3
Anth 342	Comparative Cultures	3
Hist	Upper Div Elective (not 320)	3
PSc	Upper Division Elective	3
	1	15

Senior Year

2nd Semester

1st Semester

Apply for admission to student teaching. All course work must be completed except Professional Semester courses.

Hist	Upper Div Elective (not 320)	3
Hist 497	Seminar in Hist Research	3
Geog	Upper Division Elective	3
CORE	[Humanities and Fine Arts]	3
Educ 422	Rdng in Secondary School	2
		17

2nd Semest	er	
Educ 334	Tchng Soc Sci in Sec Sch	2
Professional Semester		14
		16

See pages 165-177 for specific education department requirements.

*Also meets a Core Curriculum requirement.
** See prerequisites.

For additional information contact:

Dr. Richard B. Miller Office: Webster Hall 245 Phone: 417.625.9564

E-mail: miller-r@mail.mssc.edu

Course Descriptions

U. S. History

Hist 110 (F, S) 3 hrs. cr. United States History 1492-1877

Survey of the United States from the era of discovery through reconstruction. Meets the Core Curriculum requirement for all majors. Educ 010 or a satisfactory score on the ACT Admissions Test is a prerequisite or corequisite to this course.

Hist 120 (F, S) 3 hrs. cr.
United States History 1877 to Present

Survey of the economic, social and political development of the United States from 1877 to the present. Meets the Core Curriculum requirement for all majors. A student cannot have credit for both Hist 120 and Hist 320. Educ 010 or a satisfactory score on the ACT Admissions Test is a prerequisite or corequisite to this course.

Hist 201 (F) 3 hrs. cr. Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 298 (Demand)

3 hrs. cr.

Topics in History

Special historical topics are examined. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

History / 105

Hist 310 (Demand)

3 hrs. cr.

United States Social and Intellectual History

Ideas, values and institutions that have nurtured and influenced the United States during the great industrial expansion, and emergence as a technology leader to the dilemmas of the 1970's and 1980's. Prerequisite: Three hrs. of history or consent of instructor.

Hist 315 (Demand)

3 hrs. cr.

Economic History of the United States

Development of the American economy and its related institutions from the early national period to the present.

Hist 320 (Demand)

3 hrs. cr.

United States History 1877 to Present

Survey of the United States from Reconstruction to the present. Meets the Core Curriculum requirement for all majors. A student cannot have credit for both Hist 120 and Hist 320. Prerequisite: Hist 110.

Hist 325 (F, Odd)

3 hrs. cr.

The American West

The conquest of the American West by Spanish, French, and American settlers and its effects on the native inhabitants of the region. The development of the mythic west will also be examined.

Hist 330 (Demand)

3 hrs. cr.

History of the American Indians

Social, political, diplomatic, military and legal history of native American society.

Hist 335 (Demand)

3 hrs. cr.

United States Foreign Relations to 1900

Diplomatic relations of the United States and the related development of its foreign policy from 1775 to 1900.

Hist 340 (S, Odd)

3 hrs. cr.

United States Foreign Relations Since 1900

An investigation of the United States' foreign relations from its emergence as a world power to the present day. Prerequisite: History 120

Hist 343 (F, Odd)

3 hrs. cr.

The U.S. and the Cold War

A study of the 20th century struggle for global influence between the United States and the Soviet Union. Prerequisite: History 120

Hist 344 (F, Even)

3 hrs. cr.

America in Vietnam

A political, diplomatic, military, and social study of the United States involvement in the conflict in Vietnam from 1945 to 1975. Topics will include: American support for French colonial policy in the region, American support for a South Vietnamese state as a bulwark against communism, the "Americanization" of the war against the "Viet Cong" and North Vietnamese, the military strategy of a "limited" war, the perspectives of American soldiers, the anti-war movement, and withdrawal and defeat. Prerequisite: History 120

Hist 345 (Demand)

3 hrs. cr.

Age of Jefferson and Jackson

Early political development in the United States. Evolution of the presidency over the first years of the new government, the triumph of Jeffersonian ideas, social trends and the rise of nationalism.

Hist 350 (S)

3 hrs. cr.

Civil War and Reconstruction

Causes of the Civil War, slavery and reform movements before the Civil War. Traces the development of reconstruction and political developments of the era.

Hist 355 (F, Even)

3 hrs. cr.

The South

Social, economic, political and intellectual history of the Southern United States concentrating on tracing the distinctive characteristics of the section and attempting to discover how a consciousness of the region's separateness evolved.

Hist 360 (Demand)

3 hrs. cr.

History of Missouri

Missouri's growth from its early settlement to the present. Emphasis on political, economic, institutional and social development.

Hist 365 (Demand)

Colonial North America (Writing Intensive) Discovery, conquest and development from 1492-1781. The imperial struggles between Spain, France, England and various Native Americans will be emphasized, along with the social, cultural, and economic growth of the European colonies.

Hist 373 (F, Odd)

Women in U.S. History (Writing Intensive) A survey of the historical experience of American women from the colonial period to the modern era.

Hist 400 (Demand)

3 hrs. cr.

United States Military Experience 1775 to Present

Major wars and other activities of the armed forces with emphasis on general military policy, strategy, tactics, organization and technology.

Hist 405 (Demand)

The United States 1870-1920

United States at the turn of the century with the impact of the Industrial Revolution and its effect on social, political and economic institutions, the Progressive Movement and World War I.

Hist 410 (S, Even)

3 hrs. cr.

Modern America

Impact of politics, economics, social and cultural trends on the United States since 1920. Prerequisites: History120.

Hist 496

3-8 hrs. cr.

Internship in History

Practical, professional training in archival skills and museum management in an area historical museum, archival institution or historic site, under the supervision of a faculty member and a

professional from the participating institution. No more than three hours may be counted toward a major or minor. Prerequisite: Junior standing or above and departmental approval.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical

Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/ adviser with approval of department head and school dean. Advanced standing in the major field and a minimum GPA of 3.0 are required.

European History

Hist 130 or Hist 140 is a prerequisite for any upper level European History course.

Hist 130 (F, S)

3 hrs. cr.

Western Civilization to 1660

Development and progress of western civilization from its origins through the Reformation. Changes in political organization, religion, artistic expression and daily life in the ancient Near East, Greece, Rome and Christian Europe. May be used to meet the Core Curriculum requirement in Area 5.

Hist 140 (F, S)

Western Civilization Since 1660

Western societies from the Baroque Era to the retreat of European colonialism. Major emphasis on development of the nation-state, the impact of industrialization, changes in political and religious outlook, the impact of revolutions and two world wars. May be used to meet the Core Curriculum requirement in Area 5.

Hist 201 (F)

2 hrs. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a

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prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 298 (Demand)

3 hrs. cr.

Topics in History

Special historical topics. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 369 (Demand)

hrs cr

Nineteenth Century Europe

Major alterations of European society during this century. Emphasis on industrialization, imperialism, revolutions, rise of socialism/communism, middle-class liberal capitalism and individual national events.

Hist 370 (Demand)

3 hrs. cr.

Twentieth Century Europe

A survey approach with emphasis on World Wars I and II, the League of Nations, the United Nations, totalitarian systems and current European/world problems.

Hist 371 (Demand)

3 hrs cr

The Holocaust

An examination of the destruction of the European Jews from 1933 to 1945, with special attention to the social, political, and scientific context of the Holocaust. Special attention to European antisemitism, the rise of German Nazism, the development of a policy of mass murder, and the operation of ghettos and death camps.

Hist 375 (F, Even)

3 hrs. cr.

English History to 1660 (Writing Intensive) The peoples of England and their institutions from prehistoric settlement through the English civil wars. Major topics include the impact of Anglo-Saxon and Norman invasions, the changing roles of monarchy and of parliament, and life among various social classes.

Hist 380 (S, Odd)

3 hrs. cr.

English History Since 1660

English people and institutions from the restoration of Charles II to the present. Concentration on the emergence of modern Parliamentary democracy, the industrial revolution, the Empire and current position of England in world affairs.

Hist 387 (F, Odd)

3 hrs. cr.

History of Russia to 1796 (*Writing Intensive*) History of Russia from pre-Tsarist times through the reign of Peter the Great. Emphasis on the land and the people, national characteristics and political institutions.

Hist 388 (S, Even)

3 hrs. cr.

History of Russia Since 1796

Russia since the reign of Catherine the Great until the recent demise of the Soviet Union. Investigates the problems posed by Tsarist Autocracy and Serfdom, the origins and course of the Bolshevik Revolution, Russian life under communism, and the structural weaknesses and events contributing to the collapse of the Soviet Union.

Hist 390 (Demand)

3 hrs. cr.

History of Germany

Social, political, military and economic history of Germany, with major concentration on the post 1519 period. Emphasis on the decline of the Medieval Empire, princely absolutism, national unification, Weimar Republic, Third Reich and post World War II.

Hist 420 (F, Odd)

3 hrs. cr.

Medieval History

Europe from the end of the Roman Empire to c. 1350. Emphasis on the emergence of the Papacy, manorialism and feudalism, the development of cities and an urban economy, and on intellectual life and artistic expression.

Hist 425 (S, Even)

3 hrs. cr.

The Renaissance and the Reformation 1350-1559

An overview of Europe from 1350 to 1559. Changes in thought and artistic expression, the divisions within Western Christendom, the emergence of national monarchies, and the impact of economic change on daily life.

Hist 435 (F, Even)

3 hrs. cr.

The Era of the French Revolution and Napoleon

An examination and analysis of events in France and their impact on Europe from 1789 to 1815. Interplay of ideas and people and the quest for a political settlement under a constitutional monarchy, republic and empire.

Hist 440 (S, Even)

3 hrs. cr.

European Intellectual History

Intellectual, cultural and social developments in Europe from the Italian Renaissance to the present. Examination of the rise of scientific thought, the Enlightenment, Romanticism, nationalism, political ideologies, social reforms and existentialism.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical

Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest the instructor and student. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/adviser with approval of the department head and the school dean prior to enrollment. Advanced standing in the major field and a minimum GPA of 3.0 are required.

Asian History

History 150 is a prerequisite for any upper level Asian History course.

Hist 150 (S)

3 hrs. cr.

Asian Civilizations

Introductory survey of the history and culture of traditional and modern Asia, focusing on the distinctive culture areas of monsoonal Asia, i.e., South, Southeast, and East Asia. Some attention will also be given to Asian culture areas outside this zone.

Hist 201 (F)

3 hrs. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 298 (Demand)

3 hrs. cr.

Topics in History

Special historical topics. Students are encouraged to submit areas of personal interest to guide in the selection of the topics.

Hist 313 (F, Odd)

3 hrs. cr.

East Asian Civilizations I

Survey of the history of pre-modern East Asia to ca. 1800, focusing particularly on China, Japan, and to a lesser extent, Korea. Course will emphasize the development of East Asian cultures, societies and political structures and will use a comparative analysis inseeking to understand the history of the region.

Hist 314 (Demand)

3 hrs. cr.

East Asian Civilizations II

Survey of the history of modern East Asia from ca. 1800, focusing particularly on China, Japan, and to a lesser extent, Korea. Course will emphasize the impact of the West and the problems of modern development, using a comparative analysis in seeking to understand the history of the region.

Hist 455 (F, Even)

3 hrs. cr.

Traditional South Asia

Survey of traditional South Asia (focusing on the area which now includes India, Pakistan, and Bangladesh) from the Harappan Culture through the twelfth century. Course emphasizes developments in South Asian culture, society, and politics, particularly the development of religions, such as Hinduism, Buddhism, Jainism, Islam, and Sikhism, as well as the evolution of South Asian politics.

History / 107

Hist 458 (S, Odd)

3 hrs. cr.

Modern South Asia

Survey of medieval and modern South Asia (focusing on the area which now includes India, Pakistan, and Bangladesh) from the twelfth century to the present. Course emphasizes developments in South Asian culture, society, and politics, particularly the impact of Islam, European imperialism, the rise of Indian nationalism, Indian independence, and post-independence foreign and domestic politics.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical

Research
Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, as similate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis is placed on the student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/adviser prior to enrollment in the study. Advanced standing in the major field and a minimum GPA of 3.0 are required.

Global History

Hist 201 (F)

3 hrs. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 341 (F)

3 hrs. cr.

Problems in Recent Diplomatic History

Selected issues in recent global history from the perspective of a United Nations member state. Each student will investigate one issue, share the results of the research with the class and in a paper explain the historical background of the selected nation's position on the issue. Both the nation and topics studied will be determined by MSSC's participation in the Midwest Model United Nations and similar conferences. Although the course is a prerequisite for delegates to these conferences, enrollment is not limited to Model UN participants. May be repeated up to 9 hrs.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical

Research

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

<u>Latin American</u> <u>History</u>

Hist 201 (F)

2 hrs. cr.

Introduction to Historical Research

A formal introduction to the discipline of history and the skills needed for studying it. Emphases include basic research techniques, critical reading of primary and secondary sources, and the recommended styles and strategies for writing research papers. Required of all History B.A. and all Social Studies (History emphasis) B.S.E. majors as a prerequisite for upper-division History courses. Prerequisite: Hist 110 or 120 or 130 or 140.

Hist 210 (F, Even)

3 hrs. cr.

History of Latin America

Provides a historical overview of Latin America, from the Spanish and Portuguese to the present day, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian background of Latin American history and the ways the natives helped shape Latin American society. Topics covered will include the conquest of Latin America, Spanish administration, the independence movements of the nineteenth century, nation building, democratization and the influence of the United States.

Hist 474 (Demand)

3 hrs. cr.

Colonial Latin America

Colonial Latin America will provide a historical overview of Latin American from the Spanish and Portuguese conquest until independence in the 1820s, by examining the major themes and events in the region. Particular emphasis will be placed on the Indian background to Latin American history and the ways the natives helped shape Latin American society. Topics covered will include the conquest of Latin America, imperial rivalries, Spanish administration, Indian labor, and the independence movements of the 19th century.

Hist 475 (Demand)

3 hrs. ci

Modern Latin America

Historical overview of Latin America since independence, examining major themes, events, and issues in the region. Particular emphasis on ways in which Latin American peoples have struggled to resist, adapt, and take advantage of the social forces influencing their nations' urbanization, populism, social revolution, development, peasant rebellion, the position of women in society, and the Church.

Hist 497 (F)

3 hrs. cr.

Seminar in Historical

Research

(Writing Intensive)

Topics pertaining to an era or historical problem of special interest to the instructor and students. Emphasis on student's ability to research, assimilate and present new areas of knowledge. Prerequisites: Junior standing, Hist 201, Eng 102 and 6 hrs. upper-division history.

Hist 498 (F or S)

3 hrs. cr.

Special Topics in History

Advanced topics not covered in other history offerings. Emphasis is placed on the student's ability to research, assimilate and present new areas of knowledge. Prerequisite: Junior or senior status; prior instructor consultation is advised.

Hist 499 (F, S)

1-2-3 hrs. cr.

Independent Study

Individualized project directed by the instructor/adviser prior to enrollment in the study. Advanced standing in the major field and a minimum GPA of 3.0 are required.

Mathematics

Reynolds Hall 210, 417.625.9376

Faculty Vazquez - Head, Adkins A., Adkins L., Cassens, Curtis, Hand, Harmon, Johnson, Laird, Livingston, Martin, Thuong, Weaver

In an increasingly technological society, applications of mathematics continue to increase in variety. Persons with quantitative ability and training are in high demand. Career opportunities exist in a diversity of fields such as engineering, computer science, economics, statistics, operations research, management and education. Missouri Southern graduates are enjoying success in all of these areas. Some graduates choose to begin careers immediately upon graduation; others choose to continue their education in graduate school. The curriculum is designed to prepare students for either path. The computational mathematics option allows a student to obtain a double major in mathematics and computer science.

General Education requirements for the bachelors and the associate of arts degree can be met with any mathematics course numbered 120 or above. Note the limitations on Math 119 in the course descriptions.

108 / Mathematics

General Education requirements for the associate of science degree can be met with any mathematics course numbered 030 or above.

For students majoring in mathematics, mathematics education, computational math or minoring in math, only courses in which they have earned a grade of "C" or above can be used to satisfy departmental mathematics requirements and supporting requirements. Mathematics courses used as prerequisites require a grade of "C" or better. Placement in the first college math course is based on the student's score on the Mathematics Section of the ACT. More information is available in the individual course description, the mathematics department office, or on the following website: www.mssc.edu/math/place.htm

Bachelor of Science with a Major in Mathematics

	Semester	Hours
General Ed	ducation (p. 33) 51*	43
Mathemati	cs Requirements	39
Math 150	Calculus with Analytic	
	Geometry I**	5
Math 250	Calculus with Analytic	
	Geometry II**	5
Math 260	Calculus with Analytic	
	Geometry III**	5
Math 300	Fundamentals of	
	Mathematical Thought*	* 3
Math 342	Abstract Algebra**	
OR		
Math 351	Linear Algebra**	3
Math	Electives numbered	
	above 320***	18
Supporting	g Requirements	16
Phys 160	General Physics I	3
Phys 270	General Physics II	5
Chem 101	General Chemistry I	5
Comp 110	(or above)	3
Electives		26
TOTAL		124****

*Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of the General Education

**See Prerequisites

***Must include one from Math 350, 371, 452 to satisfy computer literacy requirement and either 330, 371 or 452 to satisfy Writing Intensive requirement.

****Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science with a Major in Mathematics **Computational Mathematics Option***

Semester Hours General Education (p. 33) 51** 43 **Mathematics Requirements** 33 Math 150 Calculus with Analytic Geometry I*** 5 Math 250 Calculus with Analytic Geometry II*** 5 Math 260 Calculus with Analytic Geometry III*** Math 300 Fundamentals of Mathematical Thought*** 3 Math 350 Introduction to Numerical

Math 351 Linear Algebra*** Math 371 Introduction to Operations Research (WI)*** Math Electives numbered above 320***

33

13

2

TOTAL

Math 351

Math 361

Analysis***

Core

CIS **CIS 110** Programming I 3 **CIS 210** Programming II **CIS 302** Information Systems I (WI) 3 **CIS 310** Database Mgmt. Sys. I **CIS 315** Computer Networks 3 UNIX System Admin. 3 **CIS 345 CIS 350 Data Structures** 3

CIS 370 Adv Object Oriented Prog 3 **CIS 410** Information Systems II Database Mgmt. **CIS 425** Systems II (WI)

Operating Systems (WI) 3

Supporting Requirements Physics and/or chemistry electives must include at least one course from each (excluding Chem 100, Phys 100, Phys 120, Phys 140, Phys 180, and

Phys 300) **Electives** Total

*This program is the same as the bachelor of science in CIS, computer science (Option 2). See page 192. Students selecting this option will graduate with a double major, mathematics and computer information science. **Required mathematics, chemistry and physics courses satisfy major requirements and 8 hours of the General Education reauirements.

***See Prerequisites

CIS 450

Bachelor of Science in Education with a **Major in Mathematics**

Grades 9-12 Certification

Plan A One of Two Teaching Fields Semester Hours 45

General Education (p. 33) 51* **Mathematics Requirements**

Math 150 Calculus with Analytic Geometry I** 5 Math 250 Calculus with Analytic Geometry II** 5 Math 260 Calculus with Analytic Geometry III** 5 Math 300 Fundamentals of Mathematical Thought** 3 Geometry** 3 Math 332 Math 342 Abstract Algebra** 3 Math 351 Linear Algebra** 3 Math 361 Probability & Statistics** 3 Math 371 Intro/Operations Research OR Mathematical Models Math 452 3 **Supporting Requirements** 3 Comp 110 **Education Certification Requirements** 39-40 (p. 167) Second teaching field (some fields exceed 30 hours)

*Required courses in mathematics and psychology satisfy major requirements and 6 hours of the General Education requirements. **See Prerequisites

150-151****

Bachelor of Science in Education with a **Major in Mathematics Grades 9-12 Certification**

Single Teaching Field Plan B Semester Hours

General Ed	ducation (p. 33) 51*	40
Mathemati	cs Requirements	33
Math 150	Calculus with Analytic	
	Geometry I**	5
Math 250	Calculus with Analytic	
	Geometry II**	5
Math 260	Calculus with Analytic	
	Geometry III**	5
Math 300	Fundamentals of	
	Mathematical Thought**	3
Math 332	Geometry**	3
Math 342	Abstract Algebra**	3

Linear Algebra**

Probability and

Statistics I**

Mathematics / 109

Math 371	Intro/Operations Research	ch	2nd Semes			Sophomore		
OR			Math 300	Fund of Math Thought	3	1st Semeste		olets
Math 452	Mathematical Models	3	Math	Elective [322]	3	CIS 310	Database Mgmt Sys I	3
	Requirements	16	CORE	[Psy 100 or Soc 110]	3	Chem 101	General Chemistry I	5
	General Physics I	3	CORE	[Area 2 Elective]	3	Math 260	Calc w/Anal Geo III	5
	General Physics II	5	CORE	[Hist 120 or 320 U.S. Hist	4	CORE	[Comm 100 Oral Comm]	3
	General Chemistry I	5			15			16
						0-4 0		
Comp 110		3	Junior Yea			2nd Semeste		0
	Certification Requirements		1st Semest			CIS 315	Computer Networks I	3
(p. 167)		43	Math	Electives**	6	CIS 350	Data Structures	3
TOTAL		132	CORE	[Area 2 Elective]	3	Math 300 CORE	Fund of Math Thought	
			Elective	[DCa 100 Carty C/Cta/ a	3	CORE	[Kine 101 Physical Activity] [Kine 103 Lifetime Wellness	
*Required c	ourses in mathematics, ch	emis-	CORE	[PSc 120 Govt:US/Sta/Lo	15	CORE	[Area 2A]	3
	and psychology satisfy				15	CORE	[Alea 2A]	15
	ts and 11 hours of the Ge		2nd Semes	tor				10
	equirements.	, ioiai	Math	Electives**	6	Junior Year		
**See Prere			CORE	[Bio 101 General Biology]		1st Semeste		
See Piere	equisites		CORE	[Kine 101 Physical Activit		CIS 345	UNIX System Admin	3
			CORE	[Area 5 Elective]	3	CIS 343	Adv Object Oriented Prog.	3
Minor in	Mathematics		Elective	[Alea o Liective]	1	Math 371	Intro Ops Research (WI)	3
	Semester I	Hours	LIGUTIVE		15	CORE	[Bio 101 General Biology]	4
Math 150	Calculus with Analytic					CORE	[Hist 110 U.S. History]	3
	Geometry I	5	Senior Yea	r		55	[5	16
Math 250	Calculus with Analytic		1st Semest					
Mail 250		5	Math Electiv		6	2nd Semeste	er	
Moth	Geometry II	5	Electives		6	CIS 302	Information Systems I	3
Math	Electives numbered		Licotivoo		12	Math 350	Intro to Num Analysis	3
	above 250*	11				Math	Elective**	3
		21	2nd Semes	ter		CORE	[Area 5 Elective]	3
	hours upper division (excl	uding	Math Electiv		6	CORE	[PSc 120 Govt:US/Sta/Loc]	3
Math 302).			Electives		9			15
					15			
			*****	and he appeared by a the	a duia	Senior Year		
			Electives	must be approved by math	adviser.	1st Semeste CIS 410	Information Systems II	3
			[Donardman	at Decommendational		CIS 410 CIS 450	Operating Systems (WI)	3
Sug	gested Order of Study		Departmen	t Recommendations]		Math 351	Linear Algebra	3
STATE OF THE PERSON NAMED IN	OF STREAMS OF STREET,	NAME OF STREET	For addition	onal information contact:	,	CORE	[Econ 180 Amer Econ Sys]	3
Bachelor o	of Science				he	CORE	[Hist 120 or 320]	3
				/azquez, Department He	au	001.12	General Elective	1
Major Code				eynolds Hall 212				16
Mathematic	CS			17.625.9540				
			E-mail: va	zquez-j@mail.mssc.edu		2nd Semeste	er	
Freshman Y						CIS 425	Database Mgmt Systems II	3
1st Semester		89918				Math	Elective**	3
Course		lours	Bachelor	of Science		CORE	[Area 2B]	3
Math 150	Calc w/Anal Geo I	5	Major Cod			CORE	[Area 2C]	3
Chem 101	General Chemistry I	5	,	tional Mathematics Opt	tion*	Chem or Phy		3
CORE	[Eng 101 Comp I (WI)]	3	Computa	nonai matriomatios opt				15
CORE	[Area 2 Elective]	3	Erochman	Voor				
Psy 120	College Orientation	1	Freshman 1st Semest				ments and exclusions on pag	
		17	Course	01	Hours	**Electives n	nust be approved by math ac	dviser.
0-40			Course Comp 110	Programming I	3			
2nd Semeste		=	Math 150	Calc w/Anal Geo I	5	[Department	Recommendations]	
Math 250	Calc w/Anal Geo II	5	CORE	[Eng 101 Comp I (WI)]	3			
CORE Phys. 160	[Eng 102 Comp II (WI)]	3	CORE	[Psy 100 or Soc 110]	3	For addition	nal information contact:	
Phys 160	General Physics I	3	Psy 120	College Orientation	1	Dr. Juan Va	azquez, Department Head	d
CORP 110	Programming I		. 5, 120	Joneyo Onomation	15		ynolds Hall 212	
CORE	[Comm 100 Oral Comm]	3 17					7.625.9540	
		17	2nd Semes	ter			quez-j@mail.mssc.edu	
Sophomore	Voor		Comp 210	Programming II	3	L-IIIaii. Vaz	.quo2] @ maii.mosc.cuu	
1st Semester			Math 250	Calc W/Anal Geo II	5			
Math 260	Calc w/Anal Geo III	5	CORE	[Eng 102 Comp II (WI)]	3			
CORE	[Econ 180 Amer Econ Sys]	3	Phys 151	Elem Col Phys I	5			
CORE	[Hist 110 U.S. History]	3			16			
CORE	[Kine 103 Lifetime Wellness							

[Kine 103 Lifetime Wellness] 2 General Physics II 5

18

CORE Phys 270

110 / Mathematics

Bachelor of Science in Education Major Code 9022 Mathematics Major Grades 9-12 Certification (Plan B) Single Teaching Field				
Freshman Y				
1st Semeste Course		lour		
Math 150	Calc w/Anal Geo I	5		
CORE	[Eng 101 Comp I (WI)]	3		
Psy 100 CORE	General Psychology [Kine 103 Lifetime Wellness	3		
Educ 100	Orientation to Educ I	1		
Psy 120	College Orientation	1		
		15		
2nd Semeste	er			
Math 250	Calc w/Anal Geo II	5		
Chem 101 CORE	General Chemistry I* [Eng 102 Comp II (WI)]	5		
Comp 110	Programming I	3		
CORE	[Kine 101 Physical Activity]	1		
		17		
Sophomore				
1st Semeste Take C-Base				
Math 260	Calc w/Anal Geo III	5		
Phys 160	General Physics I	3		
CORE	[Comm 100 Oral Comm]	3		
CORE Educ 200	[Area 2 Elective] Orientation to Educ II	1		
2000 200	onomation to Eddo ii	15		
2nd Semeste	ar			
	mission to Teacher Education	n.		
Math 300	Fund of Math Thought	3		
CORE Psy 301	[Bio 101 General Biology] Adolescent Psychology	4		
CORE	[Hist 110 U.S. History]	3		
Phys 270	General Physics II	5		
		18		
Junior Year				
1st Semeste	r competencies.			
Math 332	Geometry	3		
OR				
Math 361 Math 342	Prob. & Statistics I	3		
OR	Abstract Algebra	3		
Math 351	Linear Algebra	3		
Educ 321	Microteaching	2		
Educ 329 Educ 423	Ped Theo, Meth & Prac Classroom Management	4 2		
CORE	[Hist 120 or 320 U.S. Hist]	3		
		17		
2nd Semeste	er			
Math	Electives**	3		
CODE	IDO - 100 0 - 1110/01 /1 1	-		

[PSc 120 Govt:US/Sta/Loc] 3

2

3

3

16

Educational Psychology

Exceptional Child

[Area 2 Elective]

[Area 2 Elective]

CORE

Psy 310

Psy 302

CORE

CORE

Sellioi Teal		
1st Semeste	r	
Apply for adm	nission to student teaching. All d	cours
work must b	pe completed except Profes	sion
Semester co	urses.	
Math 332	Geometry	3
OR		
Math 361	Prob. & Statistics I	3
Math 342	Abstract Algebra	3
OR		
Math 351	Linear Algebra	3
CORE	[Area 5 Elective]	3
CORE	[Econ 180 Amer Econ Sys]	3
Educ 422	Reading in the Content	
	Area: Secondary	2
Educ 301	Use of Comp Software	
	in the Classroom	3
		17
2nd Semeste	er	
Educ 339	Teaching Math in Sec Schools	3
Educ 402	Foundations of Education	2
Educ 432	Critical Issues	2
Educ 412	Individual Curriculum Dev (2	2)
OR		

Senior Vear

**Electives must be approved by math adviser.

Student Teaching

8

[Department Recommendations]

Psy 412

Educ 462

For additional information contact: Juan Vazquez, Department Head

Meas & Eval

Office: Reynolds Hall 212 Phone: 417.625.9540

E-mail: vazquez-j@mail.mssc.edu

Course Descriptions

Math 020 (F, S) 3 hrs. cr. **Beginning Algebra**Operations on signed numbers linear equations

Operations on signed numbers, linear equations and inequalities, systems of linear equations, polynomial arithmetic. No credit towards baccalaureate degree.

Math 025 (F, S) 2 hrs. cr. Accelerated Beginning Algebra

Linear equations and inequalities with applications, graphing linear equations, systems of linear equations and inequalities, exponents. Other topics may be covered as time permits. Designed as a preparation for intermediate algebra for those students already having mastered real number arithmetic and solution of basic linear equations. No credit toward baccalaureate degree. Prerequisite: One year of high school algebra and score of at least 16 on the Mathematics portion of the ACT or qualifying score on the Mathematics Placement test.

Math 030 (F, S) 3 hrs. cr.

Intermediate Algebra

Factoring, operations on polynomials, radicals, quadratic equations. Prerequisite: One year of high school algebra and a score of 19 or above on the ACT Mathematics Section or qualifying score on departmental exam or Math 020 with a grade of "C" or better. No credit towards baccalaureate degree.

Math 114 (Demand) 3 hrs. cr. **Technical Mathematics**

Integrated study of algebra, geometry, and trigonometry for technical majors. Applications from various fields of technology. Prerequisite: One year of high school algebra and a score of 19 or above on the ACT Mathematics Section, or one year of high school algebra and a satisfactory score on the Mathematics Placement Test, or Math 020 with a grade of "C" or better.

Math 119 (F, S) 3 hrs. cr.

Mathematics for Elementary Teachers I

The real number system and its subsystems, relations and functions, numeration systems. Prerequisite: One year of high school algebra and one of the following: a) Math 030 with a grade of "C" or better, b) a score of 22 or above on the ACT Mathematics Section, or c) a qualifying score on the departmental placement exam. (Will not meet the General Education mathematics requirements for nonelementary education majors.)

Math 120 (F, S) 3 hrs. cr. Math for Elementary Teachers II

A continuation of Math 119. Sets of points, metric and non-metric geometry, probability. Recommended for prospective elementary teachers. Prerequisite: Math 119 with a grade of "C" or better or permission of department.

Math 125 (F, S, Sum) 3 hrs. cr. **Contemporary Mathematics**

College mathematics with an introduction to various areas of mathematics, such as geometry, statistics, set theory, algebra, linear programming and other topics. Satisfies the requirement in mathematics for General Education. Prerequisite: (a) Math 030 with a grade of "C" or better, (b) a score of 22 or above on the ACT Mathemat-

ics Section, or (c) a qualifying score on the departmental placement exam.

3 hrs. cr.

Math 130 (F, S)
College Algebra

Functions and their graphs; polynomial, rational, exponential and logarithmic functions; systems of equations; the binomial theorem. Prerequisite: Two units of high school algebra, one unit of high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with grade of "C" or better.

Math 131 (F, S) 3 hrs. cr. Finite Mathematics

Finite mathematics with algebra that is designed for business, social science and computer science students. Set theory, functions, matrices,

Mathematics / 111

linear programming, probability and statistics, with applications. Prerequisite: Two units of high school algebra and a score of 22 or above on the ACT Mathematics Section or Math 030 with a grade of "C" or better.

Math 135 (F, S)

Trigonometry

3 hrs. cr.

Trigonometric functions, inverses and their graphs; trigonometric identities and equations; solution of the general triangle; complex numbers. Prerequisite: Two units of high school algebra, one unit high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with grade of "C" or better.

Math 140 (F, S)

5 hrs. cr.

Algebra and Trigonometry

Equivalent of Math 112 and Math 130. Prerequisite: Two units of high school algebra, one unit of high school geometry and a score of 22 or above on the ACT Mathematics Section or Math 030 with a grade of "C" or better. Only two hours credit for students with Math 135 or Math 130 credit. No credit for students with credit for Math 130 and Math 135.

Math 150 (F, S)

5 hrs. cr.

Calculus with Analytic Geometry I

Differentiation and integration of algebraic functions and plane analytic geometry using vectors. Prerequisite: One of the following (a) Math 140 with a grade of "C" or better (b) A score of 27 or higher on the ACT Mathematics Section and a qualifying score on the Mathematics Placement Test.

Math 250 (F, S)

5 hrs. cr.

Calculus with Analytic Geometry II

Differentiation and integration of transcendental functions and trigonometric functions, polar coordinates, theory of limits and continuity, parametric equations. Applications to physical problems. Prerequisite: Math 150 with a grade of "C" or better.

Math 260 (F, S)

5 hrs. o

Calculus with Analytic Geometry III

Solid analytic geometry, indeterminate forms, infinite series, partial differentiation and multiple integrals. Prerequisite: Math 250 with a grade of "C" or better.

Math 300 (S)

3 hrs. cr.

Fundamentals of Mathematical Thought Introduction to modern algebra, analysis and proofs; sets, logic, predicate calculus, relations, functions, logical development of number systems, cardinality and divisibility. Prerequisite or corequisite: Math 260 with a grade of "C" or better.

Math 302 (Demand)

3 hrs. cr.

Applied Calculus

Calculus applications of differentiation and integration in business, social sciences, life sciences and technical careers. Prerequisite: Math 130 or Math 131 with a grade of "C" or better or two years high school algebra and qualifying score on the Mathematics Placement Test. Will not count toward a major or minor in mathematics.

Math 310 (Demand)

Elementary Statistics

Provides a basic statistical background for the various majors for advanced study in their specialties. Topics include data reduction, measures of central tendency, linear regression, correlation and hypothesis testing, with applications to social, managerial, biological and physical sciences. Prerequisite: Two years high school algebra or Math 130 with a grade of "C" or better. Will not count toward a major in mathematics.

Math 312

3 hrs. cr.

3 hrs. cr.

Problems of Teaching Arithmetic in the Elementary Schools

(See Educ 312 for description.) Will not count toward a major in mathematics.

Math 315 (Demand)

3 hrs. cr.

Algebraic Structures for Teachers

An introduction to modern algebra: Sets, relations and functions, groups, rings, integral domains, and fields. The course will emphasize activities that incorporate these topics in the middle school/junior high mathematics curriculum. Will not count toward a major in mathematics. Prerequisite: Math 150 with a grade of "C" or better.

Math 322 (S)

3 hrs. cr.

Differential Equations

Ordinary differential equations of first and second order, linear equations with constant coefficients, Laplace transforms, power series solutions, numerical solutions, with applications. Prerequisite: Math 260 with a grade of "C" or better.

Math 330 (F, Odd)

3 hrs. cr.

A multicultural approach to the history of mathematics from the beginnings to the discovery of Calculus. A study of the people and ideas that have shaped events in mathematics history. Historical and contemporary problems that reinforce ideas and methods of the past and present. Construction of a world map depicting important times and places in history. Prerequisite: Math 250 with a grade of "C" or better.

Math 332 (F, Even)

3 hrs. cr.

Geometry

Geometric theory from a modern axiomatic viewpoint. Includes an introduction to finite, projective, Euclidean and non-Euclidean geometries. Prerequisite: Math 250 with a grade of "C" or better.

Math 339 (S)

3 hrs. cr.

Teaching Mathematics in Secondary Schools

Introduction to the instructional planning, materials and methods of teaching mathematics in the secondary schools. Includes brief survey of the history of algebra and trigonometry. Part of the Professional Semester. Will not count toward a major in mathematics.

Math 342 (F, Odd)

3 hrs. cr.

Abstract Algebra

Number theory, equivalence and congruence, theory of groups, rings, ideals, integral domains and fields. Prerequisite: Math 300 with a grade of "C" or better.

Math 350 (S, Even)

3 hrs. cr.

Introduction to Numerical Analysis

Error analysis, solution of polynomial and transcendental equations, colocation polynomials, matrix methods, numerical differentiation and integration. Prerequisite: Math 250 with a grade of "C" or better and Comp 110 or higher with a grade of C or better.

Math 351 (F, Even)

3 hrs. cr.

Linear Algebra

Algebra of linear equations and matrices, vector spaces, linear mappings and transformations, determinants, bilinear and quadratic forms, linear functionals, vector inner products and cross products. Prerequisite: Math 300 with a grade of "C" or better.

Math 361 (F)

3 hrs. cr.

Probability and Statistics I

Theory of probability using concepts and methods of calculus. A study of discrete and continuous distributions. The central limit theorem. Prerequisite: Math 260 with a grade of "C" or better.

Math 371 (F, Odd)

3 hrs. cr.

Introduction to Operations

Research (Writing Intensive)
Operations research/management science for
computer science and mathematics students.
Includes linear programming, project scheduling,
Markov chains, queuing theory. Prerequisite: Math

260 with a grade of "C" or better and computer programming ability.

Math 375 (Demand)

1 hr. cr.

Seminar in Advanced Problem Solving

Techniques, strategies, and reasoning tools useful for solving sophisticated mathematical problems from various areas and combinations of areas of mathematics. Prerequisite: Math 300 with a grade of "C" or better.

Math 421 (S, Odd)

3 hrs. cr.

Introduction to Advanced Calculus

Methods of real analysis, basic topology of real numbers, sequences and series, the derivative and the Riemann integral. Prerequisite: Math 300 with a grade of "C" or better.

Math 452 (F, Even)

3 hrs. cr.

Mathematical Models (Writing Intensive)
Applying mathematics in formulating and analyzing models for real world problems. Topics include game theory, graph models, deterministic and stochastic models and computer simulation. Prerequisite Math 260 with a grade of "C" or better and Comp 110 or higher with a grade of "C" or better.

112 / Mathematics, Music

Math 462 (S, Even)

3 hrs. cr.

Probability and Statistics II

Distributions of discrete and continuous random variables, sampling distributions and estimation of parameters. Investigation of the techniques of hypothesis testing, correlation and regression. Prerequisite: Math 361 with a grade of "C" or better.

Math 485 (S)

Topics in Mathematics

Advanced topics in mathematics. Each year a topic will be chosen from Complex Variables, Number Theory, Partial Differential Equations, Discrete Mathematics, Topology, and Numerical Analysis, with the possibility of additional topics subject to demand. Prerequisite: Math 260 with a grade of "C" or better, with additional prerequisites depending on the topic.

Math 498 (Demand)

1-3 hrs. cr.

Seminar in Mathematics

For upper division math or related majors. Regular meeting times per week are equal to the number of credit hrs. determined by the department for a given semester. Gives both broad and specialized knowledge of the discipline. Prerequisite: Advanced standing in major field and consent of department head.

Math 499 (Demand)

1-3 hrs. cr.

Independent Study

Course structured by the adviser with approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a grade point average of 3.0. Students must make application several weeks in advance. Registration must be approved by the adviser, department head and school dean. See department head for details.

Music

Music Building 214, 417.625.9318

Faculty Wise - Head, Carnine, Clark, Elliott, Hukill, Liu, Raymond, Smith, Thelen

The department of music offers a bachelor of arts degree and a bachelor of science in education degree with a major in music. Each degree prepares graduates for performance, studio teaching, and/or continued study toward an advanced degree. In addition, the bachelor of science in education degree prepares graduates for teaching in public education.

Core Curriculum requirements for one course in Area 2, Humanities and Fine Arts, are fulfilled by Mus 110 Music Appreciation.

Bachelor of Arts with a **Major in Music**

-					
Sem	100	or	н	AI.	Irc
9611	100			Uι	AI C

	Semester	Hours
Core Requ	irements (p. 33)	51
Computer	Literacy Requirement -	
determined	d by music department	2-3
Foreign La	inguage (four courses i	n
one langua		12
Music Req	uirements	65
Mus 111	Music Theory	4
Mus 112	Music Theory*	4
Mus 182	Conducting Techniques	* 2
Mus 211	Music Theory*	3
Mus 212	Music Theory*	3
Mus 240	Recital Attendance	
	(8 semesters)	Cr.
Mus 311	History of Music*	3
Mus 312	History of Music*	3
Mus 420	Form and Analysis*	3
Mus 433	Instr & Vocal Arranging*	4
Mus 443	Advanced Choral	
	Conducting*	2
Mus 444	Advanced Instrumental	
	Conducting*	2
Mus 450	Senior Recital*	Cr.
Large Musi	c Ensemble	
	(8 semesters)***	8
Private stud	dy in one area	
	(8 semesters)	16
Applied key	board elective (Except	
	keyboard majors)	8
	majors must take 8 seme	
	usic electives in lieu of the	
applied key	board elective.) 130	-131**

- *See Prerequisites
- **Must include at least 40 upper division (300 - 400 level) hours.
- ***Must be taken the last eight semesters of residency.

Bachelor of Science in Education with a **Major in Music**

Grades Pre K-12 Certification

Plan B Single Teaching Field Option 1 Instrumental Emphasis

Semester Hours

Core Requirements (p. 33) 51*			
Music Requirements			
Mus 111	Music Theory	4	
Mus 112	Music Theory**	4	
Mus 182	Conducting Techniques	s** 2	

Mus 211	Music Theory**	3
Mus 212	Music Theory**	3
Mus 231	String Techniques	1
Mus 232	Brass Techniques	1
Mus 233	Percussion Techniques	
	(Not open to percussion	
	majors. Percussion major	ors
	must substitute a 2nd se-	
	mester of Mus 232 or 234	1.)1
Mus 234	Woodwind Techniques	1
Mus 240	Recital Attendance	
	(7 semesters)	Cr.
Mus 311	History of Music**	3
Mus 312	History of Music**	3
Mus 333	Music for the	
	Elementary Grades***	2
Mus 411	Marching Band Methods	**2
Mus 413	Instrumental Music Method	
Mus 420	Form and Analysis**	3
Mus 433	Inst. & Vocal Arranging*	* 4
Mus 444	Advanced Instrumental	
	Conducting**	2
Mus 450	Senior Recital**	Cr.
Mus	Piano/Wind Instrument***	* 2

****(a) Instrumental major, other than piano: two semester hours of piano study or the equivalent (Class piano may be in-

(b) Keyboard major: two semester hours of private study on a wind instrument or the equivalent.

Private study as a major in one area (7 semesters) Large Ensemble (7 semesters)***** Brass, woodwind or percussion major: the seven semesters of large ensemble must be in band.

String Major: the seven semesters of large ensemble must be in orchestra.

Education Certification Requirements 39-42 (p. 167)

*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum, Area 3C.

- **See Prerequisites
- ***Must be completed prior to the Professional Semester of supervised teaching.
- ***** Must be taken the seven semesters immediately prior to the student teaching semester.

Bachelor of Science in Education with a Major in Music **Grades Pre K-12 Certification** Plan B Single Teaching Field Option II **Vocal Emphasis**

Semester Hours

	Core Requ	irements (p. 33) 51*	48
	Music Req	uirements	64
	Mus 111	Music Theory	4
	Mus 112	Music Theory**	4
,	Mus 182	Conducting Techniques*	2
	Mus 211	Music Theory**	3
	Mus 212	Music Theory**	3
	Mus 240	Recital Attendance	
		(7 semesters)	Cr.
	Mus 309	Choral Techniques	2
	Mus 311	History of Music**	3
	Mus 312	History of Music**	3
	Mus 333	Music for the	
		Elementary Grades***	2
	Mus 409	Choral Literature	2
	Mus 420	Form and Analysis**	3
	Mus 433	Inst. & Vocal Arranging**	4
	Mus 443	Advanced Choral	
		Conducting*	2
	Mus 450	Senior Recital**	Cr.
	Mus	Piano/Voice****	6

****(a) Keyboard Major: six semester hours of private voice study or the equivalent. (b) Voice Major: six semester hours of piano study or the equivalent (two semesters of private study following the satisfactory completion of four semesters of Mus 113).

Private	study as a major in one	
area (7	semesters)	14
Concer	t Chorale (7 semesters)*****	7
Educat	ion Certification Requirement	ents
(p. 167)		39-42
	15	1-154

*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum.

**See Prerequisites

***Must be completed prior to the Professional Semester of supervised teaching.

*****Must be taken the seven semesters immediately prior to the student teaching semester.

Bachelor of Science in Education with a Major in Music **Grades Pre K-12 Certification** Plan B Single Teaching Field Option III **Double Certification**

Semester	Hours
Core Requirements (p. 33) 51*	48
Music Requirements	81
All of the requirements listed for	
Option I and Option II, either (a) or	
(b), with the exception of the	
applied major requirement.	86
Private study as an applied major	
in one primary area (7 semesters)	14
Drivate study as an applied elective	
Private study as an applied elective	
in one secondary area (4 semesters	6) 0
A proficiency test in the secondary	
major area must be passed before	
graduation.	
graduation.	

A senior recital will be required only in the primary applied area. **Education Certification Requirements** 39-42 (p. 167) 169-170

*The required course in psychology satisfies both certification requirements and 3 hours of Core Curriculum.

Minor in Music

	Semester Ho	urs
Mus 111	Music Theory	4
Mus 112	Music Theory	4
Large Ense	mble	4
Applied Mus	sic Elective (2 Semesters)	2
Music Elect	ives*	7
		21

*Must be made with prior approval of music adviser, 6 must be upper division.

Suggested Order of Study

Bachelor of Arts Major Code 1005 Music Major

Freshman Year 1st Semester

Course		Hours
Mus 111	Music Theory	4
Mus	Applied Music Major	2
Mus 240	Recital Attendance	Cr
Mus	App Piano or Mus Elective	1-2
Mus	Large Ensemble	1
CORE	[Eng 101 Comp I]	3
CORE	[Mus 110 Music Apprec]	3
Psy 120	College Orientation	1
	SUR SUBSCITE	15-16
2nd Semes	ster	
Mus 112	Music Theory	4

Lina Comio	0101	
Mus 112	Music Theory	4
Mus	Applied Music Major	2
Mus 240	Recital Attendance	Cr
Mus	App Piano or Mus Elective	1-2
Mus	Large Ensemble	1
CORE	[Eng 102 Comp II]	3
CORE	[Math 125 Cont Math]	3
		14-15

	Sophomor	e Year				
1st Semester						
	Mus 211	Music Theory	3			
	Mus	Applied Music Major	2			
	Mus 240	Recital Attendance	Cr			
	Mus	App Piano or Mus Elective	1-2			
	Mus	Large Ensemble	1			
	CORE	[Kine 103 Lifetime Wellness]	2			
	CORE	[Kine 101 Physical Activity]	1			
	CORE	[Hist 110 U.S. History]	3			
	CORE	[Econ 180 Amer Econ Sys]	3			
		16	6-17			

2nd Semester

Mus 182	Conducting Tech	2
Mus 212	Music Theory	3
Mus	Applied Music Major	2
Mus 240	Recital Attendance	Cr
Mus	App Piano or Mus Elective	1-2
Mus	Large Ensemble	2
CORE	[Hist 120 U.S. History]	3
CORE	[Bio 101 General Biology]	4
CORE	[Psy 100 Gen Psychology]	3
		20-21

Junior Year

1st Semes	ster	
Mus 420	Form, Analysis	3
Mus	Applied Music Major	2
Mus 444	Adv Instru Conducting	2
Mus 240	Recital Attendance	Cr
Mus	App Piano or Mus Elective	1-2
Mus	Large Ensemble	1
CORE	[Comm 100 Oral Comm]	3
Foreign La	anguage	3
	The second secon	15-16

114 / Music

Mus 443	ster		CORE	[Math 125 Cont Math]	3	Senior Ye	ar	
VIUS TTO	Adv Choral Conducting	2	CORE	[Econ 180 Amer Econ Sys]	3	1st Semes	ter	
Mus	Applied Music Major	2	CORE	[Art 110 or TH 110]	3	Apply for a	admission to Student Teaching	. All
Mus 240	Recital Attendance	Cr			20	course wo	rk must be completed except	
Mus	App Piano or Mus Elective	1-2				Profession	al Semester courses.	
Mus	Large Ensemble	1	Sophomoi	re Year		Mus 321	Concert Chorale	1
CORE	[Art 110 or Th 110]	3	1st Semes	ter		Mus 427	Applied Music Major Piano	2
Foreign La	-	3	Take C-Ba	se test.		Mus 450	Senior Recital	Cr
CORE	[Eng 281 or 282 Lit]	3	Mus 310	Choral Techniques	2	Mus 240	Recital Attendance	Cr
		5-16	Mus 211	Music Theory	3	Psy 310	Educational Psychology	2
			Mus 227	Applied Music Major Piano	2	CORE	[Phys 100 Fund of Phys Sci]	5
Senior Yea	ar		Mus 165	Applied Music Voice	1	Educ 301	Use of Comp Software in Cla	
1st Semes			Mus 122	Concert Chorale	1	Educ 422	Tching Rding in Sec Sch	2
Mus 311	History of Music	3	Mus 240	Recital Attendance	Cr	Mus 433	Arranging	4
Mus	Applied Music Major	2	CORE	[Kine 103 Lifetime Wellness]	2	11100 100	, aranging	19
Mus 240	Recital Attendance	Cr	CORE	[Kine 101 Physical Activity]	1			13
Mus 240	App Piano or Mus Elective	1-2	CORE	[Eng 281 or 282 Lit]	3	2nd Seme	eter	
			Educ 200	Orientation to Educ II	1	Mus 335	Tching Music in Sec School	2
Mus	Large Ensemble	1					0	2 2
CORE	[Phys 100 Fund of Phys Sci]		Educ 302	Exceptional Child	2	Educ 402	Foundations of Educ	
Foreign La		3	CORE	[Hist 110 U.S. History]	3	Educ 432	Critical Issues in Educ	2
Mus 433	Arranging	4			21	Educ 412	Individual Curriculum Dev (2))
		9-20				OR		
			2nd Semes			Educ 420	Intro to Counseling* (3)	
2nd Semes			,,,	dmission to teacher education.		OR		
Mus 312	History of Music	3	Mus 182	Conducting Tech	2	Psy 412	Meas & Eval (2)	2-3
Mus	Applied Music Major	2	Mus 212	Music Theory	3	Educ 464	Student Teaching	8
Mus 240	Recital Attendance	Cr	Mus 228	Applied Music Major Piano	2		1	6-17
Mus 450	Senior Recital	Cr	Mus 166	Applied Music Voice	1			
Mus	Large Ensemble	1	Mus 121	Concert Chorale	1	[Departme	nt Recommendations]	
CORE	[PSc 120 Gov't: U.S./Sta/Loc] 3	Mus 240	Recital Attendance	Cr	*Must be ta	aken at night, semester prior to	student
Educ 301	Use of Comp Software in		Mus 409	Choral Literature	2	teaching.		
	Class (or computer course		CORE	[Comm 100 Oral Comm]	3			
	approved by music dept.)	3	CORE	[Bio 101 General Biology]	4			
CORE	[Anth 342 Compar Cultures]		CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3	Bachelou	of Science in Education	
Foreign La		3	00112	[1 00 120 001 11 0.0.0 10 10 10 10 10 10 10 10 10 10 10 10 10	21			
r oroigir Ed	inguago	18			-	Major Co		
Departme	nt Recommendations]		Junior Yea	ar		Music Ma		
[1st Semes				Pre K-12 Certification	
				a competencies.		(Plan B)	Single Teaching Fiel	
			Mus 311	History of Music	3	Keyboar	d Major with Instrumenta	1
Bachelor	of Science in Education		Mus 420	Form & Analysis	3	Emphasi	s	
Major Co			Mus 427	Applied Music Major Piano	2			
IVIAIOI CO	ue 9032		Mus 365	Applied Music Voice			Vear	
					1	Freshman		
Music Ma	ajor				1	Freshman		
		d	Mus 321	Concert Chorale	1	1st Semes		Hours
Music Ma (Plan B)	ajor	d	Mus 321 Mus 240	Concert Chorale Recital Attendance	1 Cr	1st Semes Course	ster	Hours
Music Ma (Plan B) Grades F	ajor Single Teaching Fiel Pre K-12 Certification		Mus 321 Mus 240 Educ 329	Concert Chorale Recital Attendance Ped Theo Meth & Prac	1 Cr 4	1st Semes Course Mus 111	ster Music Theory	4
Music Ma (Plan B) Grades F	ajor Single Teaching Fiel		Mus 321 Mus 240 Educ 329 Educ 321	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching	1 Cr 4 2	1st Semes Course Mus 111 Mus 227	ster Music Theory Applied Music Major Piano	4 2
Music Ma (Plan B) Grades F Keyboard	ajor Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph		Mus 321 Mus 240 Educ 329	Concert Chorale Recital Attendance Ped Theo Meth & Prac	1 Cr 4 2 2	1st Semes Course Mus 111 Mus 227 Mus 191	Music Theory Applied Music Major Piano Marching Band	4 2 1
Music Ma (Plan B) Grades F Keyboard	ajor Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph		Mus 321 Mus 240 Educ 329 Educ 321	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching	1 Cr 4 2	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240	Music Theory Applied Music Major Piano Marching Band Recital Attendance	4 2 1 Cr
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes	ajor Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph	asis	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management	1 Cr 4 2 2	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I]	4 2 1 Cr 3
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course	ajor Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Year	asis Hours	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management	1 Cr 4 2 2 18	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation	4 2 1 Cr 3 1
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111	ajor Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Year ster Music Theory	Hours	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting	1 Cr 4 2 2 18	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec]	4 2 1 Cr 3 1 3
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227	ajor Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Year ster Music Theory Applied Music-Major Piano	Hours 4	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management	1 Cr 4 2 2 18	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology	4 2 1 Cr 3 1
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121	ajor Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Year ster Music Theory Applied Music-Major Piano Concert Chorale	Hours 4 1 1	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting	1 Cr 4 2 2 18	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec]	4 2 1 Cr 3 1 3 3
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240	Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Year ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance	Hours 4 1 Cr	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music	1 Cr 4 2 2 18	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology	4 2 1 Cr 3 1 3
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE	Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Year ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I]	Hours 4 1 1	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 428	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano	1 Cr 4 2 2 18	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology	4 2 1 Cr 3 1 3 3
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120	Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Year ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation	Hours 4 1 Cr 3	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 428 Mus 366	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice	1 Cr 4 2 2 18 2 3 2 1	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I	4 2 1 Cr 3 1 3 3
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120 CORE	Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Tyear Ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec]	Hours 4 1 Cr 3	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 428 Mus 366 Mus 322	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance	1 Cr 4 2 2 18 2 3 2 1 1 Cr	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I	4 2 1 Cr 3 1 3 3
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120 CORE	Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Year ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation	Hours 4 1 Cr 3	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades	1 Cr 4 2 2 18 2 3 2 1 1 Cr 2	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I	4 2 1 Cr 3 1 3 3 1 18
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120	Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Tyear Ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec]	Hours 4 1 Cr 3 1 3	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures]	1 Cr 4 2 2 18 2 3 2 1 1 Cr 2 3	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I	4 2 1 Cr 3 1 3 3 1 18
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120 CORE	Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Tyear Ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec]	Hours 4 1 Cr 3 1 3 1	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	1 Cr 4 2 2 18 2 3 2 1 1 Cr 2 3 3	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I ster Music Theory Applied Music Major Piano Concert Band	4 2 1 Cr 3 1 3 3 1 18 4 2 1
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120 CORE Educ 100	Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Tyear Ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	Hours 4 1 Cr 3 1 3 1	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 428 Mus 366 Mus 322 Mus 240 Mus 333 CORE	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures]	1 Cr 4 2 2 18 2 3 2 1 1 Cr 2 3 3 4	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I ster Music Theory Applied Music Major Piano Concert Band Recital Attendance	4 2 1 Cr 3 1 3 3 1 18 4 2 1 Cr
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120 CORE Educ 100	Single Teaching Fiel Pre K-12 Certification d Major with Vocal Emph Tyear Ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	Hours 4 1 Cr 3 1 1 16	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	1 Cr 4 2 2 18 2 3 2 1 1 Cr 2 3 3	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240 CORE	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I ster Music Theory Applied Music Major Piano Concert Band Recital Attendance [Eng 102 Comp II]	4 2 1 Cr 3 1 18 4 2 1 Cr 3
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120 CORE Educ 100	Single Teaching Field Pre K-12 Certification of Major with Vocal Emphasizer Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	Hours 4 1 1 Cr 3 1 1 16	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	1 Cr 4 2 2 18 2 3 2 1 1 Cr 2 3 3 4	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240 CORE CORE	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I ster Music Theory Applied Music Major Piano Concert Band Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness]	4 2 1 Cr 3 1 18 4 2 1 Cr 3 2
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120 CORE Educ 100	Single Teaching Field Pre K-12 Certification and Major with Vocal Emphasizer Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	Hours 4 1 1 Cr 3 1 1 16	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	1 Cr 4 2 2 18 2 3 2 1 1 Cr 2 3 3 4	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240 CORE CORE CORE	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I ster Music Theory Applied Music Major Piano Concert Band Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity]	4 2 1 Cr 3 1 18 4 2 1 Cr 3 2 1
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120 CORE Educ 100 2nd Semes Mus 112 Mus 228 Mus 166	Single Teaching Field Pre K-12 Certification of Major with Vocal Emphase a Year ster Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	Hours 4 1 1 Cr 3 1 1 16	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	1 Cr 4 2 2 18 2 3 2 1 1 Cr 2 3 3 4	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240 CORE CORE CORE CORE CORE	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I ster Music Theory Applied Music Major Piano Concert Band Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math]	4 2 1 Cr 3 1 18 4 2 1 Cr 3 2 1 3
Music Ma (Plan B) Grades F Keyboard Freshman 1st Semes Course Mus 111 Mus 227 Mus 121 Mus 240 CORE Psy 120 CORE Educ 100 2nd Semes Mus 112 Mus 228	Single Teaching Field Pre K-12 Certification and Major with Vocal Emphasizer Music Theory Applied Music-Major Piano Concert Chorale Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] Orientation to Educ I	Hours 4 1 Cr 3 1 1 16	Mus 321 Mus 240 Educ 329 Educ 321 Educ 423 2nd Semes Mus 443 Mus 312 Mus 366 Mus 322 Mus 240 Mus 333 CORE CORE	Concert Chorale Recital Attendance Ped Theo Meth & Prac Microteaching Classroom Management ster Adv Choral Conducting History of Music Applied Music Major Piano Applied Music Voice Concert Chorale Recital Attendance Music in Elem Grades [Anth 342 Comp Cultures] [Hist 320 U.S. History]	1 Cr 4 2 2 18 2 3 2 1 1 Cr 2 3 3 4	1st Semes Course Mus 111 Mus 227 Mus 191 Mus 240 CORE Psy 120 CORE Psy 100 Educ 100 2nd Seme Mus 112 Mus 228 Mus 192 Mus 240 CORE CORE CORE	Music Theory Applied Music Major Piano Marching Band Recital Attendance [Eng 101 Comp I] College Orientation [Mus 110 Music Apprec] General Psychology Orientation to Educ I ster Music Theory Applied Music Major Piano Concert Band Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity]	4 2 1 Cr 3 1 18 4 2 1 Cr 3 2 1

Music / 115

Sophomo	re Year		Psy 310	Educational Psychology	2	Educ 200	Orientation to Educ II	1
1st Semes	ter		CORE	[Phys 100 Fund of Phys Sci]		Educ 302	Exceptional Child	2
Take C-Ba	se test.		Educ 301	Use of Comp Sftwr in Clsrm	(or	CORE	[Econ 180 Amer Econ Sys]	3
Mus 232/2	34 Brass/Woodwind Tech	1		computer course approved		CORE	[Hist 110 U.S. History]	3
Mus 211	Music Theory	3		by music dept.)	3			21
Mus 227	Applied Music Major Piano	2	Educ 422	Techniques of Reading	2			
Mus 240	Recital Attendance	Cr	Mus 433	Arranging	4	2nd Semes	ster	
CORE	[Hist 110 U.S. History]	3	11100 100	ruranging	21		admission to Teacher Education	7
Educ 200	Orientation to Educ II	1				Mus 113	Class Piano	1
			0-40					
Educ 302	Exceptional Child	2	2nd Semes			Mus 212	Music Theory	3
Mus 191	Marching Band	1	Mus 335	Tchng Mus in Sec School	2	Mus 268	Applied Music Voice	2
Psy 305	Child/Adolescent Dev	4		Foundations of Educ	2	Mus 122	Concert Chorale	1
		17		Critical Issues in Educ	2	Mus 182	Conducting Tech	2
			Educ 412	Individual Curriculum Dev (2))	Mus 240	Recital Attendance	Cr
2nd Seme	ster		OR			Mus 409	Choral Literature	2
Apply for a	dmission to teacher education		Educ 420	Intro to Counseling (3)*		CORE	[Bio 101 General Biology]	4
,,,	33 String/Percussion Tech	1	OR	9 (0)		CORE	[Comm 100 Oral Comm]	3
Mus 182	Conducting Tech	2	Psy 412	Meas & Eval (2)	2-3	Psy 100	General Psychology	3
						1 Sy 100	General Esychology	
Mus 212	Music Theory	3	Educ 464	Student Teaching	8			21
Mus 228	Applied Music Major Piano	2			6-17			
Mus 192	Concert Band	1		nt Recommendations]		Junior Yea	ar	
Mus 240	Recital Attendance	Cr	*Offered at	night only, must be taken sen	nester	1st Semes	ter	
CORE	[Hist 120 U.S. History]	3		dent teaching.		Pass medi	ia competencies.	
CORE	[Bio 101 General Biology]	4				Mus 311	History of Music	3
CORE	[Comm 100 Oral Comm]	3				Mus 420	Form & Analysis	3
CORE	[Eng 281 or 282 Lit]	3	Racholor	of Science in Education		Mus 467	Applied Music Voice	2
JOHE	[Ling 201 of 202 Lit]	22				Mus 325	Applied Music Keyboard	1
		22	Major Co					1
			Music Ma	ajor		Mus 321	Concert Chorale	
Junior Ye			(Plan B)	Single Teaching Field	d	Mus 240	Recital Attendance	Cr
1st Semes			'	re K-12 Certification		Educ 329	Ped Theo Meth & Prac	4
	a competencies.					Educ 321	Microteaching	2
Mus 232/2	34 Brass/Woodwind Tech	1	Vocal Ma	jor		Educ 423	Classroom Management	2
Mus 411	Marching Band Methods	2				CORE	[Anth 342 Comp Cultures]	3
Mus 444	Adv Instru Conducting	2	Freshman	Year				21
Mus	App Mus Woodwind/Brass	1	1st Semes	ter				E
Mus 311	History of Music	3	Course		Hours	2nd Semes	ster	
			Mus 111	Music Theory	4	Mus 312	History of Music	3
Mus 420	Form & Analysis	3	Mus 267	Applied Music Voice	2			
Mus 427	Applied Music Major Piano	2	Mus 113	Class Piano	1	Mus 468	Applied Music Voice	2
Mus 391	Marching Band	1				Mus 326	Applied Music Keyboard	1
Mus 240	Recital Attendance	Cr	Mus 121	Concert Chorale	1	Mus 322	Concert Chorale	1
Educ 329	Ped Theo Meth & Prac	4	Mus 240	Recital Attendance	Cr	Mus 240	Recital Attendance	Cr
Educ 321	Microteaching	2	CORE	[Eng 101 Comp I]	3	Mus 333	Music in Elem Grades	2
Educ 423	Classroom Management	2	Psy 120	College Orientation	1	Mus 443	Adv Choral Conducting	2
-440 720	Sidoolooni Management	23	CORE	[Mus 110 Music Apprec]	3	CORE	[PSc 120 Gov't: U.S./Sta/Loc]	
		23	Educ 100	Orientation to Educ I	1			
				S.I.Siliador to Eddo i	16	Psy 305	Child/Adolescent Dev	4
					10	CORE	[Hist 320 U.S. History]	3
			0-10					21
	OO Chring/Darausaian Tach	1	2nd Semes					
	33 String/Percussion Tech		Mus 112	Music Theory	4	Senior Ye	ar	
Mus 231/2	App Mus Woodwind/Brass	1				0011101 10		
Mus 231/2 Mus	App Mus Woodwind/Brass		Mus 268	Applied Music Voice	2	1st Semes	ter	
Mus Mus 312	App Mus Woodwind/Brass History of Music	3		Applied Music Voice Class Piano		1st Semes		ust h
Mus 231/2 Mus Mus 312 Mus 428	App Mus Woodwind/Brass History of Music Applied Music Major Piano	3 2	Mus 268		2	1st Semes Apply for s	tudent teaching. All courses m	
Mus 231/2 Mus Mus 312 Mus 428 Mus 392	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band	3 2 1	Mus 268 Mus 113 Mus 122	Class Piano Concert Chorale	2 1 1	1st Semes Apply for s completed	tudent teaching. All courses mexcept for Professional Semeste	
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance	3 2 1 Cr	Mus 268 Mus 113 Mus 122 Mus 240	Class Piano Concert Chorale Recital Attendance	2 1 1 Cr	1st Semes Apply for s completed Mus 321	tudent teaching. All courses m except for Professional Semeste Concert Chorale	er. 1
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades	3 2 1 Cr 2	Mus 268 Mus 113 Mus 122 Mus 240 CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II]	2 1 1 Cr 3	1st Semes Apply for s completed Mus 321 Mus 467	etudent teaching. All courses m except for Professional Semeste Concert Chorale Applied Music Voice	er. 1 2
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc]	3 2 1 Cr 2 3	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness]	2 1 1 Cr 3 2	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450	etudent teaching. All courses m except for Professional Semeste Concert Chorale Applied Music Voice Senior Recital	er. 1 2 Cr
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades	3 2 1 Cr 2	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity]	2 1 1 Cr 3 2 1	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance	er. 1 2 Cr Cr
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc]	3 2 1 Cr 2 3	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math]	2 1 1 Cr 3 2 1 3	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging	er. 1 2 Cr
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110]	3 2 1 Cr 2 3 3	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity]	2 1 1 Cr 3 2	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance	er. 1 2 Cr Cr
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110]	3 2 1 Cr 2 3 3	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math]	2 1 1 Cr 3 2 1 3	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci]	1 2 Cr Cr 4 5
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures]	3 2 1 Cr 2 3 3	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math]	2 1 1 Cr 3 2 1 3 3	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm	er. 1 2 Cr Cr Cr 4 5
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures]	3 2 1 Cr 2 3 3	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110]	2 1 1 Cr 3 2 1 3 3	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301 Educ 422	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm Tchng Rdng in Sec Sch	er. 1 2 Cr Cr Cr 4 5 3 2
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures] ar ter	3 2 1 Cr 2 3 3 3 19	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE CORE Sophomo	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110]	2 1 1 Cr 3 2 1 3 3	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm	er. 1 2 Cr Cr 4 5 3 2
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE CORE Senior Ye. 1st Semes	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures] ar ter dmission to student teaching. All	3 2 1 Cr 2 3 3 3 19	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE CORE Sophomol 1st Semes	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110] re Year ter	2 1 1 Cr 3 2 1 3 3	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301 Educ 422	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm Tchng Rdng in Sec Sch	er. 1 2 Cr Cr Cr 4 5 3 2
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE Senior Ye 1st Semes	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures] ar ter	3 2 1 Cr 2 3 3 3 19	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE CORE TORE CORE CORE CORE CORE CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110] re Year ter se Test.	2 1 1 Cr 3 2 1 3 3 20	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301 Educ 422 Psy 310	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm Tchng Rdng in Sec Sch Education Psychology	er. 1 2 Cr Cr 4 5 3 2
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE Senior Ye 1st Semes Apply for act work music	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures] ar ter dmission to student teaching. All the completed except Profes	3 2 1 Cr 2 3 3 3 19	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE CORE TORE CORE CORE CORE CORE CORE CORE CORE Sophomor 1st Semes Take C-Ba Mus 310	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110] re Year ter se Test. Choral Techniques	2 1 1 Cr 3 2 1 3 3 20	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301 Educ 422	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm Tchng Rdng in Sec Sch Education Psychology	er. 1 2 Cr Cr Cr 4 5 3 2 2 19
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE Senior Ye 1st Semes Apply for act work musi Semester of	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures] ar ter dimission to student teaching. All the completed except Profest courses.	3 2 1 Cr 2 3 3 3 19	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE CORE Torre CORE CORE CORE CORE CORE CORE Mus 310 Mus 113	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110] re Year ter se Test. Choral Techniques Class Piano	2 1 1 Cr 3 2 1 3 3 20	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301 Educ 422 Psy 310	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm Tchng Rdng in Sec Sch Education Psychology	er. 1 2 Cr Cr 4 5 3 2
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE Senior Ye 1st Semes Apply for act work musi Semester Mus 391	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures] ar ter dmission to student teaching. All the completed except Profestourses. Marching Band	3 2 1 Cr 2 3 3 3 19	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE CORE TORE CORE CORE CORE CORE CORE CORE CORE Sophomor 1st Semes Take C-Ba Mus 310	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110] re Year ter se Test. Choral Techniques	2 1 1 Cr 3 2 1 3 3 20	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301 Educ 422 Psy 310	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm Tchng Rdng in Sec Sch Education Psychology	er. 1 2 Cr Cr Cr 4 5 3 2 2 19
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE Senior Ye 1st Semes Apply for ac work musi Semester of Mus 391 Mus 413	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures] ar ter dmission to student teaching. All the completed except Profestourses. Marching Band Instrumental Music Methods	3 2 1 Cr 2 3 3 3 19	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE CORE Torre CORE CORE CORE CORE CORE CORE Mus 310 Mus 113	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110] re Year ter se Test. Choral Techniques Class Piano	2 1 1 Cr 3 2 1 3 3 20	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301 Educ 422 Psy 310 2nd Semes Mus 335 Educ 402	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm Tchng Rdng in Sec Sch Education Psychology ster Tchng Music in Sec School Foundations of Educ	er. 1 2 Cr Cr 4 5 3 2 2 19
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE Senior Ye 1st Semes Apply for ac work musi Semester of Mus 391 Mus 413 Mus 427	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures] ar ter dmission to student teaching. All the completed except Profest courses. Marching Band Instrumental Music Methods Applied Music Major Piano	3 2 1 Cr 2 3 3 3 19	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE CORE CORE Take C-Ba Mus 310 Mus 113 Mus 211	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110] re Year ter se Test. Choral Techniques Class Piano Music Theory	2 1 1 Cr 3 2 1 3 3 20	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301 Educ 422 Psy 310 2nd Semes Mus 335 Educ 402	except for Professional Semester Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm Tchng Rdng in Sec Sch Education Psychology	er. 1 2 Cr Cr 4 5 3 2 2 19
Mus 231/2 Mus Mus 312 Mus 428 Mus 392 Mus 240 Mus 333 CORE CORE CORE Senior Ye 1st Semes Apply for ac work musi Semester of Mus 391 Mus 413	App Mus Woodwind/Brass History of Music Applied Music Major Piano Concert Band Recital Attendance Music in Elem Grades [Psc 120 Gov't: U.S./Sta/Loc] [Art 110 or Th 110] [Anth 342 Comp. Cultures] ar ter dmission to student teaching. All the completed except Profestourses. Marching Band Instrumental Music Methods	3 2 1 Cr 2 3 3 3 19	Mus 268 Mus 113 Mus 122 Mus 240 CORE CORE CORE CORE CORE CORE CORE CORE	Class Piano Concert Chorale Recital Attendance [Eng 102 Comp II] [Kine 103 Lifetime Wellness] [Kine 101 Physical Activity] [Math 125 Cont Math] [Art 110 or TH 110] re Year ter se Test. Choral Techniques Class Piano Music Theory Applied Music Voice	2 1 1 Cr 3 2 1 3 3 20	1st Semes Apply for s completed Mus 321 Mus 467 Mus 450 Mus 240 Mus 433 CORE Educ 301 Educ 422 Psy 310 2nd Semes Mus 335 Educ 402	etudent teaching. All courses mexcept for Professional Semeste Concert Chorale Applied Music Voice Senior Recital Recital Attendance Arranging [Phys 100 Fund of Phys Sci] Use of Comp Sftwr in Clsrm Tchng Rdng in Sec Sch Education Psychology ster Tchng Music in Sec School Foundations of Educ	er. 1 2 Cr Cr 4 5 3 2 2 19

116 / Music

CORE

CORE

[Econ 180 Amer Econ Sys]

3 20

[Comm 100 Oral Comm]

110	music					
Educ 412	Individual Curriculum Dev (2)		2nd Seme	ster	648	2
OR			Apply for a	admission to Teacher Education	7.	N
Educ 420	Intro to Counseling (3)*		Mus 113	Class Piano	1	E
OR	Commence to all fillings		Mus 182	Conducting Tech	2	E
Psy 412	Meas & Eval (2)	2-3	Mus 212	Music Theory	3	E
Educ 464	Student Teaching	8	Mus	Applied Music Major	2	C
	16	5-17	Mus 231/2	33 String/Percussion Tech	1	E
			Mus 192	Concert Band (1)		C
	t night only, must be taken ser	nester	OR			P
	dent teaching.		Mus 152	Orchestra (1)	1	E
[Departme	nt Recommendations]		Mus 240	Recital Attendance	Cr	
			CORE	[Hist 110 U.S. History]	3	
			CORE	[Bio 101 General Biology]	4	*(
	of Science in Education		Psy 305	Child/Adolescent Dev	4	р
Major Co	de 9030				21	
Music Ma	ajor					[[
Grades F	Pre K-12 Certification		Junior Ye			
(Plan B)	Single Teaching Fiel	ld	1st Semes			F
,	ental Major			ia Competencies.		F
mon amo	mai major			234 Brass/Woodwind Tech	1	(
Freshman	Year		Mus 311	History of Music	3	F
1st Semes			Mus 420	Form & Analysis	3	F
Course		Hours	Mus Mus 411	Applied Music Major Marching Band Methods	2	E
Mus 111	Music Theory	4	Mus 391	Marching Band (1)	2	-
Mus	Applied Music Major	2	OR	Waterling Band (1)		
Mus 113	Class Piano	1	Mus 351	Orchestra (1)	1	
Mus 191	Marching Band (1)		Mus 240	Recital Attendance	Cr	
OR			Mus 444	Adv Instru Conducting	2	
Mus 151	Orchestra (1)	1	Educ 329	Ped Theo Meth & Prac	4	
Mus 240	Recital Attendance	Cr	Educ 321	Microteaching	2	
CORE	[Eng 101 Comp I]	3	Educ 423	Classroom Management	2	
Psy 120	College Orientation	1		· ·	22	
CORE	[Mus 110 Music Apprec]	3				N
Psy 100	General Psychology	3	2nd Seme	ster		(
Educ 100	Orientation to Educ I	1	Mus 231/2	233 String/Percussion Tech	1	F
		19	Mus 312	History of Music	3	ti
0-10			Mus	Applied Music Major	2	0
2nd Seme			Mus 392	Concert Band (1)		a
Mus 112	Music Theory	4	OR			(
Mus	Applied Music Major	2	Mus 352	Orchestra (1)	1	ti
Mus 113 Mus 192	Class Piano	1	Mus 240	Recital Attendance	Cr	S
OR	Concert Band (1)		Mus 333	Music in Elem Grades	2	
Mus 152	Orchestra (1)	1	CORE	[PSc 120 Gov't:U.S./Sta/Loc]	3	N
Mus 240	Recital Attendance	Cr	CORE	[Anth 342 Compar Cultures]	3	١
CORE	[Eng 102 Comp II]	3	Educ 422	Tchng Rdng in Sec Sch	2	
CORE	[Kine 103 Lifetime Wellness]	2			17	ir
CORE	[Kine 101 Physical Activity]	1	Senior Ye			li
CORE	[Math 125 Cont Math]	3	1st Semes			
CORE	[Art 110 or TH 110]	3		dmission to student teaching. All	oouroo	N
		20		it be completed except Profes		N
			Semester		Sioriai	E
Sophomo	re Year		Mus 391	Marching Band (1)		h
1st Semes	ster		OR	Marching Bana (1)		fo
Take C-Ba	ase test.		Mus 351	Orchestra (1)	1	
Mus 113	Class Piano	1	Mus 413	Instrumental Music Methods	2	٨
Mus 211	Music Theory	3	Mus	Applied Music Major	2	V
Mus	Applied Music Major	2	Mus 450	Senior Recital	Cr	S
Mus 191	Marching Band (1)		Mus 240	Recital Attendance	Cr	ir
OR			Mus 433	Arranging	4	to
Mus 151	Orchestra (1)	1	Psy 310	Educational Psychology	2	
	34 Brass/Woodwind Tech	1	CORE	[Phys 100 Fund Phys Sci]	5	٨
Mus 240	Recital Attendance	Cr	Educ 301	Use of Comp Sftwr in Clsrm	3	(
CORE	[Eng 281 or 282 Lit]	3	CORE	[Hist 320 U.S. History]	3	F
Educ 200	Orientation to Educ II	1			22	b
Educ 302	Exceptional Child	2				Λ

2nd Semes	ster	
Mus 335	Tching Music in Sec Sch	2
Educ 402	Foundations of Educ	2
Educ 432	Critical Issues in Educ	2
Educ 412 OR	Individual Curriculum Dev ((2)
Educ 420 OR	Intro to Counseling (3)*	
Psy 412	Meas & Eval (2)	2-3
Educ 464	Student Teaching	8
	and the second	16-17

*Offered at night only, must be taken semester prior to student teaching.

[Department Recommendations]

For additional information contact:

Phillip Wise

Office: Music Building 216 Phone: 417.625.9318 FAX: 417.625.3030

E-mail: wise-p@mail.mssc.edu

Course Descriptions

Mus 102, 302, 202, 402 (S) 1 hr. cr. **Opera or Musical Theatre Performance**

Performance of a role along with active participation in the different areas of staging the musical or opera. Credit is applied after departmental evaluation and approval at the end of the semester. (Students may not receive credit from both the theatre department and music department for the same production.)

Mus 110 (F, S) 3 hrs. cr. **Music Appreciation**

Designed to give the non-music major an insight into musical masterpieces from all eras of music literature.

Mus 111 (F) 4 hrs. cr.

Music Theory

Basic fundamentals of music with initiation of harmonic analysis and partwriting. Basic course for music majors; others by consent of instructor.

Mus 112 (S) 4 hrs. cr.

Music Theory

Sequential course in written harmony, including inversion, seventh chords and non-harmonic tones. Prerequisite: Mus 111.

Mus 113 (F, S) 1 hr. cr. Class Piano

Reading skills, fundamental piano technique, basic musicianship and elementary repertoire. Material studied varies in accordance with educational purpose.

Mus 121, 321, 122, 322 Mus (F, S) 1 hr. cr. **Concert Chorale**

Open to all college students. Preparation and performance of great choral works. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

Mus 133 (F) 2 hrs. cr. Opera

History, production and performance of one act operas, operatic excerpts, musicals and light opera. Academic concentration the first six weeks on opera history and opera production with the last 10 weeks focusing upon the particular opera selected for production the spring semester of that year.

Mus 141, 341, 142, 342 (F, S) 1 hr. cr. **Jazz Orchestra**

A stage band open to all students who are qualified instrumentalists. The Jazz Band will prepare and present several concerts during the year, while dealing primarily with music of the jazz idiom. Prerequisite: Permission of instructor. Each class may be repeated four times for credit. Corequisite: Mus 191, 391, 192 or 392.

Mus 151, 351, 152, 352 (F, S) 1 hr. cr. **Orchestra**

Audition is available to all college students who play an orchestral instrument. The orchestra will present public concerts, performing standard and orchestral literature. Prerequisite: Audition. Each class may be repeated four times for credit.

Mus 161, 361, 162, 362 (F, S) 1 hr. cr. **Southern Exposure**

Small select ensemble. Performs all literature from madrigal to modern music, written for small vocal ensemble. Prerequisite: Audition. Each class may be repeated four times for credit. Corequisite: Mus 121, 122, 321 or 322.

Mus 171, 371, 172, 372 (F, S)(Demand) 1 hr. cr. Brass Choir

Open to all students with band instrument experience. Performance of literature for brass ensemble. Each class may be repeated four times for credit.

Mus 182 (S) 2 hrs. cr.

Conducting Techniques

Baton technique, factors in interpretation, score reading and rehearsal procedures for instrumental and vocal organizations. Included is experience conducting live rehearsals. Prerequisite: Mus 211.

Mus 191, 391 (F) 1 hr. cr.

Marching Band

Open to all qualified students with high school band experience. A study and practice of the fundamentals of drill and presentation of musical marching maneuvers. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

Mus 192, 392 (S) 1 hr. cr. **Concert Band**

Open to all qualified students with band instrument experience. Rehearsal and public performances of composite repertoire. Prerequisite: Permission of instructor. Each class may be repeated four times for credit.

Mus 211 (F) 3 hrs. cr. **Music Theory**

Secondary dominant functions, augmented sixth chords, advanced chromatic and enharmonic modulation, introduction to contemporary styles and short original compositions. Prerequisite: Mus 112.

Mus 212 (S) 3 hrs. cr. Music Theory

A study of selected contemporary styles: pantriadie, bitonal and polychordal, quartal harmony, pandiatonicism, serial techniques and short original compositions. Prerequisite: Mus 211.

Mus 215 (Demand) 2 hrs. cr. Vocal Pedagogy

An introduction to the science and teaching of singing. Emphasis is placed upon the study of the physiology and anatomy, breathing and phonation, and acoustics of the vocal instrument as well as the pedagogical approaches to training the singing voice.

Mus 219 (Demand) 2 hrs. cr. Vocal Diction and Literature

Applied voice students receive instruction in the correct pronunciation of English, Italian, French, German and Ecclesiastical Latin as used in the study of vocal literature.

Mus 231 (S) 1 hr. cr. String Techniques

Class instruction in the string instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 232 (F) 1 hr. cr. **Brass Techniques**

Class instruction in the brass instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 233 (S) 1 hr. cr.

Percussion Techniques

(Not open to percussion majors)

Class instruction in the percussion instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 234 (F) 1 hr. cr.

Woodwind Techniques

Class instruction in the woodwind instruments, including a study of methods and materials to be used in the teaching of beginning students.

Mus 240 (F, S) 0 hrs. cr. **Recital Attendance**

Attendance at designated afternoon and evening recitals and concerts is required of all music majors each semester. Corequisite: Music major (major code of 0856, 0866, or 1005.)

Mus 243 (F)
Musical Theatre

3 hrs. cr.

History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions, and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production in the spring semester of that school year. Course also offered under Th 243.

Mus 298 (Demand) 1-3 hrs. cr. Selected Topics in Music

Study of special topics in music not included in another course. Prerequisite: Permission of instructor.

Mus 309 (F) 2 hrs. cr.

Choral Techniques

Designed to formulate principles for directing secondary and adult choral ensembles. Covers motivational techniques, including body language, verbal skills, understanding of the vocal mechanism and the function of rhythm in the musical phrase. Explores various organizational methods, rehearsal procedures and teaching materials. Also includes conducting techniques conducive to encouraging proper vocal technique. Prerequisite: Mus 182.

Mus 311 (F) 3 hrs. cr. **History of Music**

General survey of history of music from Greek period to 18th century. Prerequisite: Mus 112.

Mus 312 (S) 3 hrs. cr.

From 18th century to

From 18th century to the present. Score reading required. Prerequisite: Mus 112.

Mus 332 (F, S) 2 hrs. cr. **Music for the Elementary School**

Methods of teaching music in the elementary classroom and a study of materials to be used.

Mus 333 (Demand) 2 hrs. cr.

Music for the Elementary Grades

Methods of teaching music in the elementary classroom and a study of materials to be used. Restricted to music majors and advanced music students. Prerequisite: Mus 112.

Mus 409 (S) 2 hrs. cr.

Choral Literature

Study of choral and vocal chamber literature from the early Renaissance through the twentieth century. Concentrate on performance styles of various types of choral literature. Prerequisite: Mus 211.

Mus 411 (F) 2 hrs. cr.

Marching Band Methods

Procedures needed in organization, promotion, equipping, rehearsing and performance of a marching band including study of musical repertoire and charting of field maneuvers. For music majors; others by consent of instructor. Prerequisite: 2 semesters marching band. Corequisite: Mus 391.

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Mus 413 (F) 2 cr. hrs.

Instrumental Music Methods

Acquaints instrumental music education majors with the administration and supervision of the instrumental program through the high school level. Content includes curriculum, schedules, budget, instructional techniques, classroom management, public relations, philosophy, and psychology as they relate to instrumental music education. Prerequisite: Mus 182.

Mus 420 (F) 3 hrs. cr.

Form and Analysis

Harmonic and formal analysis of composition from the Baroque Era through contemporary music. Prerequisite: Mus 212.

Mus 433 (S) 4 hrs

Instrumental and Vocal Arranging

An in-depth study of wind, string, and percussion instruments. Scoring for various instrumental and vocal combinations. Prerequisite: Mus 211.

Mus 443 (S) 2 hrs. cr.

Advanced Choral Conducting

Conducting techniques specifically related to choral music. Prerequisite: Mus 182

Mus 444 (F) 2 hrs. cr.

Advanced Instrumental Conducting Techniques

Conducting skills, including irregular beat patterns, advance technical problems, and methods developed for solving them. Prerequisite: Mus 182.

Mus 450 (F,S) 0 hrs. cr.

Senior Recital

A solo recital is required of all music majors. The recital is to be given within the last year of residency. Corequisite: Mus 417, 427, 437, 447, 467, 418, 428, 438, 448, 458, or 468.

Mus 498 (Demand) 1-3 hrs. cr.

Seminar in Music

For upper division music majors or related majors. Topics and methods not included in other courses. Permission of instructor is required.

Mus 499 (Demand) 1-3 hrs. cr.

Independent Study

Designed for the individual who desires to explore a topic more completely than can be done in a regular course offering. Prerequisite: See "General Regulations" in the catalog.

Applied Music Elective (Private Lessons)

Private study in: Brass, Keyboard, Percussion, String, Woodwind and Voice. All applied music offerings may be repeated twice for credit.

Mus 115	Applied Music Brass Elective	1 hr. cr.
Mus 125	Applied Music Keyboard Elective	1 hr. cr.
Mus 135	Applied Music Percussion Elective	1 hr. cr.
Mus 145	Applied Music String Elective	1 hr. cr.
Mus 155	Applied Music Woodwind Elective	1 hr. cr.
Mus 165	Applied Music Voice Elective	1 hr. cr.
Mus 116	Applied Music Brass Elective	1 hr. cr.
Mus 126	Applied Music Keyboard Elective	1 hr. cr.

Mus 136	Applied	Music	Percussion Elective	1 hr. cr.
Mus 146	Applied	Music	String Elective	1 hr. cr.
Mus 156	Applied	Music	Woodwind Elective	1 hr. cr.
Mus 166	Applied	Music	Voice Elective	1 hr. cr.
Mus 315	Applied	Music	Brass Elective	1 hr. cr.
			Keyboard Elective	1 hr. cr.
			Percussion Elective	1 hr. cr.
			String Elective	1 hr. cr.
			Woodwind Elective	1 hr. cr.
			Voice Elective	1 hr. cr.
			Brass Elective	1 hr. cr.
			Keyboard Elective	1 hr. cr.
			Percussion Elective	1 hr. cr.
			String Elective	1 hr. cr.
			Woodwind Elective	1 hr. cr.
			Voice Elective	1 hr. cr.
			Brass Elective	2 hrs. cr.
			Keyboard Elective	2 hrs. cr.
			Percussion Elec	2 hrs. cr.
Mus 147	Applied	Music	String Elective	2 hrs. cr.
			Woodwind Elective	2 hrs. cr.
			Voice Elective	2 hrs. cr.
			Brass Elective	2 hrs. cr.
			Keyboard Elective	2 hrs. cr.
			Percussion Elec	2 hrs. cr.
			String Elective	2 hrs. cr.
			Woodwind Elect	2 hrs. cr.
			Voice Elective	2 hrs. cr.
			Brass Elective	2 hrs. cr.
Mus 327	Applied	Music	Keyboard Elective	2 hrs. cr.
			Percussion Elec	2 hrs. cr.
			String Elective	2 hrs. cr.
			Woodwind Elec	2 hrs. cr.
			Voice Elective	2 hrs. cr.
			Brass Elective	2 hrs. cr.
			Keyboard Elective	2 hrs. cr.
			Percussion Elec	2 hrs. cr.
			String Elective	2 hrs. cr.
			Woodwind Elective	2 hrs. cr.
			Voice Elective	2 hrs. cr.
Elective		mprovi	sation	
Mus 114				1 hr. cr.
Mus 214				2 hrs. cr.

Applied Music Major (Private Lessons)

Private study in Brass, Keyboard, Percussion, String, Woodwind and Voice. All applied music offerings may be repeated twice for credit.

101 0100				
Mus 217	Applied	Music	Brass Major	2 hrs. cr.
Mus 227	Applied	Music	Keyboard Major	2 hrs. cr.
Mus 237	Applied	Music	Percussion Major	2 hrs. cr.
Mus 247	Applied	Music	String Major	2 hrs. cr.
Mus 257	Applied	Music	Woodwind Major	2 hrs. cr.
Mus 267	Applied	Music	Voice Major	2 hrs. cr.
Mus 218	Applied	Music	Brass Major	2 hrs. cr.
Mus 228	Applied	Music	Keyboard Major	2 hrs. cr.
Mus 238	Applied	Music	Percussion Major	2 hrs. cr.
Mus 248	Applied	Music	String Major	2 hrs. cr
Mus 258	Applied	Music	Woodwind Major	2 hrs. cr.
Mus 268	Applied	Music	Voice Major	2 hrs. cr.
Mus 417	Applied	Music	Brass Major	2 hrs. cr.
Mus 427	Applied	Music	Keyboard Major	2 hrs. cr.
Mus 437	Applied	Music	Percussion Major	2 hrs. cr.
Mus 447	Applied	Music	String Major	2 hrs. cr.
Mus 457	Applied	Music	Woodwind Major	2 hrs. cr.
Mus 467	Applied	Music	Voice Major	2 hrs. cr.
Mus 418	Applied	Music	Brass Major	2 hrs. cr.
Mus 428	Applied	Music	Keyboard Major	2 hrs. cr.
Mus 438	Applied	Music	Percussion Major	2 hrs. cr.
Mus 448	Applied	Music	String Major	2 hrs. cr.
Mus 458	Applied	Music	Woodwind Major	2 hrs. cr
Mus 468	Applied	Music	Voice Major	2 hrs. cr
			or (major code of 90	30, 9031
9032, 903	33, 9034	, 9006	, 0r 1005.)	

Paralegal Studies

Webster Hall 245, 417.625.9564

Faculty Miller - Head, Yates

The paralegal program is designed for the student seeking a career as a legal assistant working under the direction and supervision of an attorney in private practice, government service or legal aid. However, the knowledge and skills acquired in the paralegal program are beneficial to students in the areas of law enforcement, prelaw, business law and political science. Students who choose to learn more about the legal system and how to develop their own skills in legal research for personal enrichment are also encouraged to enroll.

No major or degree is now offered in paralegal studies, but a student enrolled in the paralegal program may obtain an associate of arts degree with an emphasis in paralegal studies. Paralegal studies may also be used as a minor for a bachelor of arts or bachelor of science degree. Students wishing to take only classes in paralegal studies may receive recognition for successfully completing 21 hours of course work. This option is recommended only for post-graduate students or students who have already completed the Core Curriculum. The required courses and suggested electives are listed under the requirements for the minor. Students must have an adviser in paralegal studies.

Minor in Paralegal Studies

Semester Hours

	Semester F	lou	r
Core Requir	ements		
Eng 101 C	College Composition	3	
Computer Lit	eracy (Comp 105 or		
Demonstrate	d Proof of Competency)	3	
Paralegal Re	equired Courses		5
PLS 201 I	ntro to Legal		
1	Assistance	3	
PLS 210 L	.aw Office		
N	Management	3	
PLS 302 L	egal Research	3	
Legal Electiv	ves	1	1

Paralegal Specialty Courses

Paralegal Studies / 119

Nine (9) ho Courses lis PLS 298		
FLS 290	Topics in Paralegal Studies	3
PLS 311	Property	3
PLS 312	Civil Litigation	3
PLS 320	Family Law	3
PLS 401	Wills, Trusts and Probate	3
PLS 491	Internship**	3
PLS 498	Senior Seminar**	3
PLS 499	Independent Study**	3
General Le	gal Electives	
Six (6) hour	rs from combination of	
either Paral	egal Specialty Courses	
listed above	e or the following	
General Le	gal Electives	
GB 301	Legal Environment	
	of Business I	3

Legal Environment

of Business II

Comm 310 Communications Law

Labor Law

Criminal Law

Law, Society &

Judicial Process

International Law

Constitutional Law I

Constitutional Law II

GB 302

PSc 310

PSc 322

PSc 431

PSc 432

LE 250

GB 411

Suggested Order of Study

Associate of Arts Major Code 7999

Emphasis in Paralegal Studies

(This is a general associate of arts degree,

NOT a paralegal degree)

Freshman Year 1st Semester

1	TOL COMPOSICI		
1	Course	Ho	ours
	PLS 201	Intro to Legal Assistance	3
	PLS 302	Legal Research	3
	CORE	[Eng 101 Comp I]	3
1	CORE	[PSc 120 Govt:U.S./Sta/Loc]	3
	CORE	[Math 125 Contemp. Math]	3
			15
1			

2nd Semeste	er	
CORE	[Eng 102 Comp II]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Phys 100 Fund of Phys Sci]	5
PLS 210	Law Office Management	3
PLS	Upper Division Elective	3

Sophomore		
1st Semeste	r	
CORE	[Soc 110 or Psy 100]	3
CORE	[Bio 101 General Biology]	4
CORE	[Humanities and Fine Arts]	3
PLS	Upper Division Electives	6
		16
2nd Semeste	er	
CORE	[Hist 120 U.S. History]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Literature]	3
CORE	[Humanities and Fine Arts]	3
PLS 491	Internship	3
PLS	Upper Division Elective	3

[Department Recommendations]

Suggested electives are Civil Litigation; Family Law; Property; Wills, Trusts and Probate.

For additional information contact:

Dr. Michael Yates

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17

24

Office: Webster Hall 234 Phone: 417.625.9333

E-mail: yates-m@mail.mssc.edu

Course Descriptions

PLS 201 (F) 3 hrs. cr. Introduction to Legal Assistance

American legal system with emphasis on the roles, skills and tasks of the paralegal. Topics include professional ethics, client interviewing and legal analysis.

PLS 210 (S, Odd) 3 hrs. cr. Law Office Management

Management and operation of the law office with emphasis on the practical aspects of processing cases, office workflow, billing, and attorney-client and personnel relationships. Topics include the legal team, the attorney-client relationship, legal fees, timekeeping, filing, and records management.

PLS 298 (Demand) 3 hrs. cr. **Topics in Paralegal Studies**

Special topics of current interest to the student. Subjects are changed each semester. Students are encouraged to submit areas of interest to the social science department.

PLS 302 (F, Odd) 3 hrs. cr. **Legal Research**Research involved in case preparation; use of the

law library and the various digests, encyclopedias, reporters, etc., contained therein.

PLS 311 (S, Odd)

3 hrs. cr.

Property

Laws relating to real and personal property with emphasis on the procedures and forms used in real estate transactions and conveyances such as deeds and contracts.

PLS 312 (S, Even)

3 hrs. cr.

Civil Litigation

Process of civil litigation from filing to appeal including rules for instituting and conducting lawsuits before federal and state courts, rules of procedure, and the preparation of pertinent legal forms.

PLS 320 (S, Even)

3 hrs. cr.

Family Law

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Laws regulating marriage, adoption, divorce, division of property, child custody and support, adult abuse and termination of parental rights and the preparation of pertinent legal forms.

PLS 401 (F, Even)

3 hrs. cr.

Wills, Trusts and Probate

Law of wills, trusts and intestate succession; includes analysis of the administration and probate of estates and the preparation of pertinent legal forms.

PLS 491 (Demand)

3 hrs. cr.

Internship

An applied internship of 135 hrs. done under the supervision of a practicing professional who is directly engaged in a day-to-day application of the law (i.e. judges, attorneys, government officials) as approved by department head. Prerequisite: 12 hrs. of paralegal studies and/or consent of instructor.

PLS 498 (Demand)

3 hrs. cr.

Senior Seminar

Comprehensive analysis and review of selected legal topics to be announced when course is offered. Prerequisite: 9 hrs. of paralegal studies or consent of instructor.

PLS 499

1-2-3 hrs. cr.

Independent Study

Study and research by the student under the direction and supervision of instructor/adviser with prior approval by department head and school dean. Prerequisites: Advanced standing in the major field and a minimum GPA of 3.0.

^{**}See Prerequisites

120 / Philosophy. Physics & Pre-Engineering

Philosophy

Hearnes Hall 312, 417.625.9659

Faculty Simpson - Head, B. Brown

Philosophy deals with basic questions from all areas of life and thought-science, religion, art, morality and politics-and helps students refine their views on these subjects. Most importantly, philosophy teaches students how to think: how to analyze problems into their essential elements, how to decide which proposed solution to a problem is supported by the best evidence, how to separate relevant from irrelevant points and how to state issues clearly and precisely. While some philosophy students go to graduate school and become professional philosophers, most go on to careers in such areas as law, medicine, theology, business, government and public service. Philosophy students are highly successful in gaining admittance to law schools, medical schools, graduate schools of management, and theological seminaries.

The department offers a minor in philosophy, which consists of 18 credit hours. Students are required to complete a course in Critical Thinking (Phil 140), a course in Ethics (Phil 212, Phil 312, PSc 411 or a suitable Selected Topics Course) and two courses in the History of Philosophy (Phil 301 and 302). Two courses are elective, at least one of which must be at the 300 level or above.

For additional information contact:

Dr. Dale W. Simpson Office: Hearnes Hall 314 Phone: 417.625.9640

E-mail: simpson-d@mail.mssc.edu

Course Descriptions

Phil 140

3 hrs. cr.

Critical Thinking

Introduction to logic, with special emphasis on common errors and fallacies in reasoning.

Phil 201

3 hrs. cr.

Introduction to Philosophy

Comparative survey of major types of philosophy and of representative problems in philosophy. (Satisfies 3 hrs. of Core Curriculum requirements in Area 2C Humanities and Fine Arts.)

Phil 212

3 hrs. cr.

Ethics

Exploration of the problems of value and personal moral standards, comparative survey of major ethical systems and evaluation of the chief ethical struggles in contemporary society. (Satisfies 3 hrs. of Core Curriculum requirements in Area 2C Humanities and Fine Arts.)

Phil 298

3 hrs. cr.

Topics in Philosophy

Studies in a variety of philosophical subjects. Topic open.

Phil 301

3 hrs. cr.

Ancient Philosophy

Historical study of ancient philosophy, with special emphasis on the writings of Plato and Aristotle. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 302

3 hrs. cr.

Modern Philosophy

A survey of the major schools of western philosophy from 1550 to 1850. Prerequisites: 3 hrs. of philosophy or permission of instructor.

Phil 312

3 hrs. cr.

Biomedical Ethics

A comprehensive investigation of ethical problems relating to health care and the practice of medicine, including study of such issues as euthanasia and the right to die, abortion, confidentiality, patient rights and professional responsibilities, allocation of medical resources, and medical experimentation.

Phil 320

3 hrs. cr.

Comparative Religion (Writing Intensive)
A philosophical and historical survey, emphasizing the world's major living religions. (Meets Core Curriculum requirements in Area 5, International Cultural Studies.) Prerequisite: Eng 101 and 102 or 111.

hil 420

3 hrs. cr.

Philosophy of Science (Writing Intensive) Investigation of the nature and scope of scientific inquiry. Topics include the logic of scientific reasoning, the nature of scientific theories, the conceptual presuppositions of science, and the relation between the natural and social sciences. Prerequisites: 3 hrs. of philosophy or permission of instructor; Eng 101 and 102 or 111.

Phil 498

3 hrs. cr.

Phys 498

Seminar in Philosophy

Comprehensive analysis of selected topics in philosophy. For upper division students.

Phil 499

1-3 hrs. cr.

Independent Study

Individually directed study in selected areas for advanced students. Prerequisite: GPA of 3.0 in philosophy. Enrollment must be approved by adviser, department head and school dean.

Physics and Pre-Engineering

Reynolds Hall 210, 417.625.9376

Faculty Sloan - Head, Chelf, Knapp, Marsh

Physics graduates obtain a strong diversified background in science and mathematics which will qualify them to enter various areas of employment in industry, government or secondary education, or for entrance into graduate programs in physics, engineering and many other discipline. Students who plan to do graduate work in engineering should, with the help of a faculty adviser, select their free electives in the area they plan to enter.

The physics area of the physical science department participates in cooperative two-year pre-engineering programs which allow students to complete the first two years of an engineering degree at Missouri Southern and then transfer to an engineering school to complete the remaining two years of the degree. (See page 213).

Bachelor of Science with a Major in Physics

Semester Hours

	Semester	Hour
Core Requ	irements (p. 33) 51*	4
Physics Re	equirements	3
Phys 160	General Physics I**	3
Phys 270	General Physics II**	5
Phys 280	General Physics III**	5
Phys 301	Modern Physics**	4
Phys 322	Classical Mechanics**	3
Phys 341	Thermal Physics**	4
Phys 372	Electronic Circuits**	4
Phys 381	Intermediate Physics	
	Laboratory**	3
Phys 401	Electricity & Magnetism	**4
Phys 452	Quantum Mechanics**	
OR		
Phys 480	Selected Topics in	
	Physics & Engineering	3

Seminar

E-mail: sloan-m@mail.mssc.edu

Phone: 417.625.9616

					Physic	cs & Pre	e-Engineering /	12
	g Requirements	26	Comp 110	Programming I	3	2nd Seme	ster	
Chem 101	General Chemistry I**	5	Select on			Phys 322	Classical Mechanics (3)	
Math 150	Calculus with Analytical		Bio 312	Environmental Biology	4	OR		
	Geometry I**	5	Bio 402	General Ecology	4	Phys 341	Thermal Physics (4)	3-4
Math 250	Calculus with Analytical		Bio 481	Aquatic Ecology	4	Phys 372	Electronic Circuits	4
	Geometry II**	5	Geol 300	Environmental Geolog		Math 322	Differential Equations	3
Math 260	Calculus with Analytical			n Certification Requirer		CORE	[Kine 103 Lifetime Welln [Econ 180 Amer Econ Sy	
	Geometry III**	5	(p. 167)		41-42	CORE		15-16
Math 322	Differential Equations**	3	()	1	68-169			15-16
	Programming I	3			00 100	Junior Yea	ar	
Electives*		16	*Required	physics, chemistry, mat	hemat-	1st Semes	ter	
	1	24****		y and psychology cours		Phys 301	Modern Physics	4
		Sant.		requirements and 15 hour		Phys 381	Intermediate Physics Lab	(3)
*Required	physics, chemistry and	math-	Core Curr		oortiic	OR		
	rses satisfy major require		**See Pre			Phys 401	Electricity & Magnetism (
	s of the Core Curriculum		555116	. oquiottoo		CORE	[Bio 101 General Biology	
**See Prere			Minor in	Physics		CORE	[Humanities and Fine Art [Psy 100 Gen Psycholog	s] 3
	ed Electives (Chem 102,	Comp	WIIIOI II			OR	i sy 100 den Esycholog	λl
	351, Math 431 and Phys		Db	Semester		CORE	[Soc 110 Sociology]	3
	clude at least 40 upper di		Phys 160	General Physics I	3			17-18
	evel) hours.	VISIOII	Phys 270	General Physics II	5			agmen!
(000 400)	every riours.		Phys 280	General Physics III	5	2nd Semes		
			Physics	Upper Division Elective		Phys 341	Thermal Physics (4)	
Pachalar	of Science in			(excluding Phys 300)	8	OR		and was graph
					21	Phys 322	Classical Mechanics (3)	4-3
Educatio	n with a Major					Phys 452 OR	Quantum Mechanics	
in Unified	Science,					Phys 480	Selected Topics	3
Physics	Endorsement					CORE	[Hist 110 U.S. History]	3
	2 Certification		NO. OF THE REAL PROPERTY.			CORE	[Comm 100 Oral Comm]	3
Graues 3-1	2 Certification		Sug	gested Order of Study		CORE	[Humanities and Fine Arts	
	Semester I	laura	M-BACHAR BAN			CORE	[Kine 101 Physical Activit	
Core Beau	irements (p. 33) 51*	36	Bachelor	of Science				16-17
	equirements	25	Major Cod					
			Physics N			Senior Yea		
	General Physics III (5) Modern Physics**	2	,			1st Semest Phys 401		4)
		4	Freshman '	Year		OR	Electricity & Magnetism (+)
	Statics**	3	1st Semeste	er		Phys 381	Intermediate Phys Lab (3	4-3
	Classical Mechanics**	3	Course		Hours	CORE	[Humanities and Fine Arts	
	Thermal Physics**	4	Math 150	Calculus I	5		L TANK THO AIR	,
	Electronic Circuits**	4	Chem 101	Gen Chem I (Alg & Trig)	5	CORE	[PSc 120 Gov't: U.S./St/L	oc] 3
	Intermediate Physics		CORE Phys. 160	[Eng 101 Comp I]	3	Elective	Physics or Math	3
	Laboratory**	3	Phys 160 Psy 120	General Physics I	3	CORE	[Hist 120 or 320 U.S. Hist	•
,	Seminar	2	Psy 120	College Orientation	1			5-16
	Requirements	66			17	0.10		
	Philosophy of Science	3	2nd Semest	er		2nd Semes		
	General Biology	4	Phys 270	Gen Physics II (Math 150)	5	Phys 452 OR	Quantum Mechanics	
	Botanical Survey**	4	Math 250	Calculus II (Math 150)	5	Phys 480	Salasted Tapies	2
	Zoological Survey**	4	Elective	[Chem 102 General Chem		Phys 498	Selected Topics Seminar	3
Chem 101	General Chemistry I**	5			15	CORE	[International Cultural Stu	
	General Chemistry II**	5				Electives	[torriadorial Guitaral Stu	9
	General Physics I**	3	Sophomore					16
	General Physics II**	5	1st Semeste	r				
	General Physics III (5)	3	Phys 280	Gen Physics III (Phys 270)		(Prerequisit	es)	
	Intro to Geology	5	Math 260	Calculus III (Math 250)	5		t Recommendations]	
	Intro to Geology	3	Comp 110	Programming I	3			
		3	CORE	[Eng 102 Comp II]	3	For addition	nal information contact:	
	Calculus with Analytical	E			16	Mr. Marion		
	Geometry I**	5					ynolds Hall 213	
12 11 12	LOUITVIER ANTIN ANGIVITION							

Math 250

Math 260

Calculus with Analytical

Calculus with Analytical

5

5

Geometry II**

Geometry III**

122 / Physics & Pre-Engineering

Course Descriptions

Phys 100 (F, S, SS)

5 hrs. cr.

Fundamentals of Physical Science

Basic concepts in the fields of physics, chemistry, geology and astronomy will be presented as time permits. Emphasis on a detailed picture of energy and its uses, including an understanding of both mechanical and thermal efficiencies and the limitations that these efficiencies place on our world. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Lecture and demonstration periods. Prerequisite: Math 30 with a grade of "C" or better.

Phys 101 (F, S)

5 hrs. cr.

Physical Science for

Elementary Teachers

Basic concepts in the field of physical science. Central to the course will be a working ability in applying some of the basic laws of nature to specific problems. Four lecture and demonstration periods and one three-hour lab per week. Prerequisite: Math 111.

Phys 102 (F, S)

1 hr. cr.

Physical Science Laboratory

Experiments related to topics studied in Physics 100 will be conducted. One three-hour lab per week. Prerequisite or corequisite: Physics 100.

Phys 151 (F, S, SS)

5 hrs. cr.

Elementary College Physics I

Mechanics, rotational dynamics, properties of matter, heat, wave motion and sound. Four hrs. lecture, one 2-hr. lab per week. Prerequisite: Math 140.

Phys 152 (S)

4 hrs. cr.

Elementary College Physics II

Electricity, circuits, magnetism, optics, relativity, radioactivity, and nuclear reactions. Three hours of lecture and one 2-hr. lab per week. Prerequisite: Phys 151.

Phys 160 (F, S)

3 hrs. cr.

General Physics I

Introductory study of physics covering vector techniques, geometrical and trigonometrical applications in physics, kinematics and dynamics of particles in one, two, and three dimensions, and an introduction to work and energy. Three hours of lecture per week. Prerequisite: Math 140; corequisite: Math 150.

Phys 270 (F, S)

5 hrs. cr.

General Physics II

Introductory study of energy, momentum, kinematics and dynamics of rigid bodies, equilibrium, fluids, waves, and a study of heat and temperature. Four hrs. lecture, one 3-hr. lab/ recitation class per week. Prerequisite: Math 150, Phys 160; corequisite: Math 250.

Phys 280 (F, S)

5 hrs. cr.

General Physics III

Introductory study of electricity, magnetism, and geometrical and physical optics. Four hours of lecture and one 3-hr. lab/recitation class per week. Prerequisite: Phys 270, Math 250.

Phys 298 (F, S)

1-3 hrs. cr.

Selected Topics in Physical Science

Special topics in physical science not normally offered in other courses. Prerequisite or corequisite: Math 130 or equivalent.

Phys 300 (Demand)

3 hrs. cr.

Astronomy

Study of our solar system and universe including the following topics: the solar system, Kepler's laws, celestial coordinates and observing. Hertzprung-Russell diagrams, stellar evolution, pulsars, black holes, nebulae, galaxies and cosmology. Three lectures per week. (Does not count toward a physics major.) Prerequisite: Phys 100 or equivalent and one year high school algebra.

Phys 301 (F)

4 hrs. cr.

Modern Physics

Special theory of relativity, wave-particle experiments, introductory quantum mechanics and nuclear physics. Prerequisite: Phys 280. Corequisite: Math 260.

Phys 312 (F)

3 hrs. cr.

Principles of mechanics as applied to problems of engineering in which the structures under consideration are in static equilibrium. Three lectures per week. Prerequisite: Phys 160; Corequisite: Math 250

Phys 322 (S, Even)

3 hrs. cr.

Classical Mechanics

Kinematics and dynamics of particles and systems of particles including the harmonic oscillator, potential functions, conservative fields of force, accelerated reference frames, energy, gravitation and rigid bodies. Three hrs. lecture per week. Prerequisite: Phys 270, Corequisite: Math 322 or permission of instructor.

Phys 341 (S, Odd)

4 hrs. cr.

Thermal Physics

Temperature, transfer of heat, laws of thermodynamics, entropy, enthalpy, reversibility and irreversibility, thermal properties of materials, change of phase, use of thermo tables and introduction to heat transfer. Four hrs. lecture per week. Prerequisite: Phys 270; corequisite: Math 260.

Phys 372 (S)

4 hrs. cr.

Electronic Circuits

Ohm's law, Kirchoff's laws, Nodal analysis, mesh analysis. Thevenin's and Norton's theorems, superposition, inductors and capacitors, sourcefree RL and RC circuits, RLC circuits. Complex variables and their application to steady-state AC circuits. Three 1-hr. lectures and one 3-hr. lab per week. Presently limited to 15 students by equipment considerations. Prerequisite: Phys 280, Corequisite: Math 260.

Phys 381 (Demand)

3 hrs. cr.

Intermediate Physics

Laboratory (Writing Intensive) Experiments in classical and modern physics, including wave phenomena, heat transfer, electrical measurements, optics, photoelectric effect and radioactivity. Two 3-hr. lab per week. Prerequisite: Phys 301 or permission of instructor.

Phys 401 (F, Odd)

Electricity and Magnetism

Electrostatic forces, electric fields, electric potential, properties of conductors and dielectrics, magnetic fields, magnetic properties, induced electromotive force, Maxwell's equations and electromagnetic waves. Four hrs. lecture per week. Prerequisites: Math 260 and Phys 280.

Phys 452 (Demand)

3 hrs. cr.

Quantum Mechanics

Time independent Schroedinger equation, eigenfunctions, expectation values, differential operators, pertubation theory, multielectron atoms and applications to solid state physics. Three hrs. lecture per week. Prerequisite: Phys 301 and Math 322.

Phys 480 (Demand)

3 hrs. cr.

Selected Topics in Physics and Engineering

One or more of the following topics for further study: solid state physics, optics, nuclear physics, advanced mechanics, quantum mechanics, circuit analysis, thermodynamics, fluid mechanics heat transfer and mechanics of materials. Open to students having a minimum of 18 hrs. of physics and permission of instructor.

Phys 498 (F, S)

1-3 hrs. cr.

Seminar

Topics of current interest by the student from the areas of physics and engineering. Secondary education majors will be required to present several lecture-demonstration programs illustrating the basic concepts in physics at the secondary level. Open to students having a minimum of 18 hrs. of physics and permission of instructor.

Phys 499 (F, S)

1-3 hrs. cr.

Independent Study

Course structured by the adviser with approval of the department head. Prerequisite: Advanced standing with a GPA of 3.0 in the major field. Registration must be approved by the adviser, department head and school dean.

Political Science / 123

Political Science

Webster Hall 245, 417,625,9564

Faculty Miller - Head, Richards, St. Clair. Simpson, Yates

The bachelor degree with a major in political science is appropriate for those students seeking to do graduate work in political science, enter professional schools of law or public administration, join the public service or work in community service as well as general career options. A bachelor of science in education degree with a major in social studies - political science emphasis certifies a student to teach on the secondary school level. A minor in political science is available for students majoring in other disciplines. In addition, see page 126 for a social science minor or the social studies in secondary education minor.

Core Curriculum requirements and Missouri statute requirements are met by PSc 120.

PSc 120 is a prerequisite for all other political science courses.

Bachelor of Arts with a Major in Political Science

Semester Hours Core Requirements (p. 33) 51*

Computer Literacy Requirement determined by social science department Foreign Language (four courses in one language) 12 **Political Science Requirements**

	PSc 120	Gov't: U.S./State/Local	3
	PSc 201	Introduction to	
		Political Science	3
	PSc 411	Political Theory	
	OR		
	PSc 412	Comtemporary Political	
		Thought	3
1	PSc 498	Seminar in Political	
		Science	

OR PSc 497 Capital Internship

	Select one following fo	course from each of the our areas:		12
	J.S. Politi		(3)	
F	PSc 301	Political Parties & Elections		
F	PSc 302	Public Opinion &		
-	PSc 311	Pressure Groups American Presidency		
	PSc 312	Legislative Process		
		20910101110111101000		
5	State and	Local Government	(3)	
	PSc 320	State Government		
F	PSc 341	Municipal Government		
	PSc 342	Public Policy		
F	PSc 421	Public Administration		
I	nternation	nal Relations	(3)	
	Sc 321	International Relations	(3)	
	Sc 330	Comparative Politics		
	Sc 335	Human Rights		
P	Sc 369	Globalization		
	.aw		(3)	
P	Sc 310	Law, Society and the		
D	Sc 322	Judicial Process		
	Sc 322	International Law Constitutional Law I		
	Sc 431	Constitutional Law II		
1	00 402	Ourstitutional Law II		

Electives	25
	25

*Political Science 120 satisfies major requirements and 3 hours of Core Curriculum.

**See Prerequisites

***Must include at least 40 upper division (300 - 400 level) hours.

Bachelor of Science in **Education with a Major** in Social Studies **Political Science Emphasis Grades 9-12 Certification** Plan B Single Teaching Field

Semester Hours

Core Requirements (p. 33) 51* 33				
Political S	cience Requirements	15		
PSc 120	Gov't: U.S./State/Local	3		
PSc	Upper Division Electives 1	2		
Supporting	g Requirements	36		
Hist 110	U.S. History 1492-1877	3		
Hist 120	U.S. History 1877-Present			
OR				
Hist 320	U.S. History 1877-Present	3		
Hist 130	Western Civilization to 1660	3		
Hist 140	Western Civilization			
	Since 1660	3		

Hist	Upper Division U.S.**		
	(not 320)	6	
Hist	Upper Division Asian**	3	
Soc 110	Intro to Sociology	3	
Soc	Upper Division Elective**	3	
Geog 211	Regions and Nations	3	
Geog	Upper Division Elective	3	
Econ 180	Amer Econ System	3	
Electives		3-4	
Education Certification Requirements			
(p. 167)		10-41	
		400	

*Required political science, history, sociology and economics courses satisfy major requirements and 18 hours of Core Curriculum. **See Prerequisites

Minor in Political Science

Semester Hours Gov't: U.S./State/Local PSc 120 3 PSc. Electives* 18

21

24

*Must be chosen with approval of a political science adviser.

Minor in Public Administration Required:

PSc 320	State Government		
OR			
PSc 341	Municipal Government	3	
PSc 421	Public Administration	3	
Acct 201	Accounting	3	
MM 350	Principles of Management	3	
MM 352	Human Resource		
	Management	3	
			15

Choose three:

Comm 300	Organizational	
	Communications	3
Math 302	Applied Calculus	3
PSc 320	State Government **	3
PSc 341	Municipal Government**	3
PSc 342	Public Policy	3
Acct 325	Managerial Accounting	3
Econ 350	Financial Management	3
Soc 402	Community (WI)	3
Geog 457	Urban Geography	3
PSc 496	Internship in Political	
	Science	3
		9
Total for Minor (PA)		

**(if not taken in PA minor core)

Additional requirements:

For students in majors without a statistics/ research requirement, one of the following courses must be completed. Hours earned

124 / Political Science

in either of the courses are not applicable to the minor in public administration.

PSc 300 Intro

Introduction to Political Science Methods

OR

GB 321

Business Statistics I

Suggested Order of Study

Bachelor of Arts Major Code 2207 Political Science Major

Freshman Year

1st Semester		
Course		Hou
Foreign Lang	juage	3
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. 1492-1877]	3
CORE	[Math 125 Cont Math]	3
CORE	[Comm 100 Oral Comm]	3
Psv 120	College Orientation	1
		16

FSy 120	College Offerhalion	16
2nd Semeste	er	
Foreign Lang	guage	3
CORE	[Eng 102 Comp II]	3
CORE	[Hist 120 U.S. 1877-Preser	nt]
OR		
CORE	[Hist 320 U.S. 1877-Preser	nt] 3
CORE	[Bio 101 General Biology]	4
CORE	[Humanities and Fine Arts]	3
		16

Sophomore Year

1st Semester		
PSc 120	Gov't: U.S./State/Local*	3
CORE	[English Lit]	3
Foreign Lang	juage	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Kine 101 Physical Activity]	1
		17

2nd Semeste	er	
CORE	[Econ 201 Prin of Econ-Macro	0] 3
PSc	[Upper Division Elective	
	approved by adviser]	3
Foreign Lan	guage	3
CORE	[Soc 110 Intro to Sociology]	3
Electives		2
		14

Junior Year

1st Semest	er	
PSc	[Upper Division]	6
CORE	[International Cultural Stu]	3
[Computer Literacy course selected with		
adviser's a	oproval]	3
CORE	[Humanities and Fine Arts]	3
		15

2nd Semeste

[Upper Division]	9
	7
	16

Senior Year

1st Semest	er	
PSc	[Upper Division Electives]	9
Electives	[Upper Division]	6
		15

2nd Semester

PSc	[Upper Division Elective]	6
Electives	[Upper Division]	10
		16

*Also meets a Core Curriculum requirement. [Department Recommendations]

For additional information contact:

Dr. Michael Yates Office: Webster Hall Phone: 417.625.9333

E-mail: yates-m@mail.mssc.edu

Course Descriptions

PSc 120 (F, S) 3 hrs. cr. Government: U.S., State & Local

Designed to give students an understanding of their governments, enabling them to keep up with political developments with the goal of becoming informed citizens needed to sustain democracy. A Core Curriculum requirement for all bachelor's degrees and prerequisite for all political science courses. Successful completion of this course fulfills the Missouri state requirements in constitutional study.

PSc 201 3 hrs. cr. Introduction to Political Science

Introduction to the discipline of political science. The course is a preview of the major subunits of the discipline: American politics including public administration and legal studies; international relations; political theory; and, comparative politics.

PSc 280 (F, S) 3 hrs. cr. Foundations of Social Science Research

Provides basic tools necessary to gather, describe, analyze, and present quantitative social science data. Focus will be on conducting basic univariate and bivariate analyses. Prerequisite: Math 125.

PSc 298 (Demand)

3 hrs. cr.

Topics in Political Science

Special political science topics of current interest to the student or faculty member who offers the class. Subjects and instructors change each semester. Students are encouraged to suggest possible course topics to the political science faculty.

PSc 300 (S, Even)

3 hrs. cr.

Introduction to Political Science Research Methods

An introduction to the ways in which political scientists conduct research. An emphasis will be placed on quantitative analysis and the decisions faced by political scientists when both designing and consuming social inquiry. Prerequisites: PSC 280 Foundations of Social Science Research.

PSc 301 (F, Even)

3 hrs. cr.

Political Parties

and Elections (Writing Intensive)
Analysis of the origins, structure and functions of
political parties; the dynamics of the two-party
system; the role of third parties and the election
process.

PSc 302 (F, Odd)

3 hrs. cr.

Public Opinion and

Pressure Groups (Writing Intensive)
Origins, impact and measurement of public opinion. Scope, nature and powers of interest groups in American society with special attention to their role in formulating public opinion and public policy.

PSc 310 (Demand)

3 hrs. cr.

Law, Society and

the Judicial Process (Writing Intensive)
American legal system viewed from a social and
political as well as legal perspective. Focus on
the structure and organization of courts, the processing of civil and criminal cases and the behavior of judges, lawyers and other participants in the
judicial process.

PSc 311 (Summer)

3 hrs. cr.

American Presidency

Politics of presidential selection, the powers of the President, the organization of the executive branch and its relations with other organs of government.

PSc 312 (S, Even)

3 hrs. cr.

Legislative Process

Problems of representation, organization of the legislature, participation and proposals for improved organization. Emphasis on the Missouri General Assembly.

PSc 320 (S, Odd)

3 hrs. cr.

State Government

General structure, theories, operation and problems of state government with special emphasis on the government of Missouri.

Political Science, Preprofessional / 125

PSc 321 (F, Even)

3 hrs. cr.

International Relations

Present-day relations and problems among the states of the world and the major factors which underline and influence these relations.

PSc 322 (S, Odd)

3 hrs. cr.

International Law

Rules and principles accepted by the members of the community of nations as defining their rights and duties and the procedures employed in protecting their rights and performing their duties.

PSc 330 (F, Odd)

Comparative Politics

Comparative analysis of government and politics in both the major developed democracies and in developing states. The course examines themes of democratization, institutional design, parties and party systems, as well as the impact of social and economic change on the conduct and evolution of modern political systems. Prerequisite: PSc 120.

PSc 335 (S, Odd)

3 hrs.cr.

Human Rights in World Politics

Familiarizes students with the philosophical underpinnings of the modern concept of human rights; the role of human rights in relations among states and non-state actors; cross-cultural differences in the conception of and acceptance of human rights; the impact of globalization on government respect for human rights; and, the role of human rights in the decline of the state-centric international system.

PSc 341 (S, Even)

3 hrs. cr.

Municipal Government

Structure, legal status, functions and organization of city, town and village government in the United States.

PSc 342 (F, Even)

3 hrs. cr.

Public Policy

An introductory survey of the formulation, execution and evaluation of public policy in the United States.

PSc 369

3 hrs. cr.

Globalization

Introduction to the types of, institutions of, politics of, and soci-political consequences of globalization. Three types of globalization, information, soci-cultural, and economic, will be considered. Students will be made aware of the important roles that transnational advocacy networks, international governmental organizations, the Internet and international lending institutions play in reducing the primacy of state sovereignty and in affecting citizens' quality of life in states around the world-particularly developing ones. Prerequisites: one of the following Econ 201, Econ 202, INTS 201, Geog 211, Anth 155, Soc 210, Comm 101, or PSc 120.

PSc 398 (F)

Political Discourse

A topics and event driven, open forum for examination of current issues at the national, state and local levels of government. The course is conducted as a discussion group with the instructor providing directed reading assignments and presentations on discursive practices, traditions and models within the discipline as appropriate. May be repeated one time for credit.

PSc 411 (F, Odd)

3 hrs. cr.

1 hr. cr

Political Theory

Western political philosophies from early recorded history through the present time.

PSc 412 (S, Even)

3 hrs. cr.

Contemporary Political Thought

Twentieth century political ideas.

PSc 421 (F, Odd)

3 hrs. cr.

Public Administration

Administrative aspects of government; surveys the major subfields of public administration, i.e., politics and administration, organizational theory, organizational behavior, management, decision making, personnel, public budgeting and finance, policy analysis and program evaluation and administrative law.

PSc 431 (F, Even)

3 hrs. cr.

Constitutional Law I

Political and legal aspects of Supreme Court decision making, the nature and scope of judicial review, the constitutional relationships between levels and branches of government and the First Amendment rights of freedom of expression.

PSc 432 (S, Odd)

3 hrs. c

Constitutional Law II

Legal issues concerning the Bill of Rights and the First Amendment areas of free exercise and establishment of religion, the right to privacy, the 14th amendment due process, and equal protection clauses.

PSc 496 (Demand)

3-8 hrs. cr.

Internship in Political Science

Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. No more than 3 hrs. may be counted toward a major or minor.

PSc 497 (Demand)

8 hrs. cr.

Capital Internship

Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. The student will live and work in the capital from the opening of the legislative session until its conclusion or the last day of MSSC's spring semester.

PSc 498 (Demand)

Seminar in Political

Science

(Writing Intensive)

3 hrs. cr.

Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research. Prerequisite: 9 hrs. of upper division political science.

PSc 499 (F, S)

1-2-3-4 hrs. cr.

Independent Study

For students who wish to do an indepth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The student will select an adviser from the political science faculty who will structure the independent study in consultation with the student and with the approval of the department head. Prerequisite: Junior or senior status and an overall cumulative GPA of 3.0 or better. Enrollment must be approved by department head and school dean.

Preprofessional

Police Academy 101, 417.625.9328

Associate of Arts Degree

This curriculum is designated for Missouri Southern students to complete admission requirements for professional schools that will accept applicants who have completed approximately 60 hours. Also, students who are completing certification requirements for the paramedic program and desire a college degree may choose this degree program.

126 / Social Science, Sociology

Social Science

Webster Hall 245, 417.625.9564

Faculty Miller - Head, Cebula, Gubera, Kaldjian, Kimuna, Laas, Locher, Markman, Richards, St. Clair, Schmidt, Simpson, Tannenbaum, Teverow, Wagner, Wells, Yates

Within the social sciences are the disciplines of anthropology, geography, history, paralegal studies, political science and sociology.

Each discipline focuses on the study of some aspect or aspects of human societies: their history, government, social organization, laws, physical environment and/or cultural heritage. Students who major or minor in the social sciences prepare for a variety of graduate programs or careers, for example, in teaching, government, law, historic preservation, business, health and human services. Internships are especially helpful in establishing career objectives and obtaining practical knowledge. Social sciences students may apply for internships at the George Washington Carver National Monument, the Dorothea B. Hoover Historical Museum, as a social work minor, a paralegal studies minor, a political science minor, or a sociology major. Also, Missouri State Internships are available.

Minors are offered in each of the disciplines within the social sciences except anthropology. Two general social science minors are also available: a social science minor and a social studies for secondary education minor which qualifies students to teach in junior high and middle schools.

Minor in Social Science

Semester F	lour
U.S. History	3
U.S. History	
U.S. History	3
Gov't: U.S./State/Local	3
Elective	3
Elective (100 - 200 level)	3
e (3) social science	
the 300 - 400 level	
Hist 320)	9
	U.S. History U.S. History Gov't: U.S./State/Local

Fifteen hours of these requirements apply to the Core Curriculum.

Minor in Social Studies for Secondary Education Certification for Grades 9-12

This minor meets social studies requirements for certifying secondary education majors to teach grades 9 through 12. Students electing this minor must have a social sciences faculty adviser.

Social Studies

	Semester	Hours
Hist 110	U.S. History	3
Hist 120	U.S. History	
OR		
Hist 320	U.S. History	3
Elective in	American History	3
PSc 120	Gov't: U.S./State/Local	3
Hist 130	Western Civilization	3
Hist 140	Western Civilization	3
Econ 180	Amer Econ System	3
Geog 211	Regions and Nations	3
		24

Programs & Degree Offerings

See Geography (p. 101); History, (p. 103); Paralegal Studies, (p. 119); Political Science, (p. 123); and Sociology, (p. 126) for specific degree requirements, minors, A.A. paralegal program and suggested orders of study.

Sociology

Webster Hall 245, 417.625.9564

Faculty Miller - Head, Gubera, Kimuna, Locher, Wells

A bachelor's degree with a major in sociology prepares the student for a variety of occupations and graduate programs. Selecting from three bachelor's degree programs including a bachelor of science in education, the student may choose to pursue many careers, for example, those in human and social services, public safety occupations or teaching. Advanced graduate or professional school training could also be a choice for the student who successfully completes one of the bachelor degree programs. A minor in social work is offered with classes focusing on human and social services. In addition, a sociology minor provides students majoring in other areas with special interpersonal, group and organizational knowledge and skills.

See page 126 for a minor in social sciences or the social studies in secondary education minor.

Sociology 110 is a prerequisite to many upper division courses in sociology.

Certain sociology courses may be used to satisfy Core Curriculum requirements. Sociology 110 is an elective for the requirement in Area 3C, Natural and Behavioral Sciences; Anth 155, 342 or Soc 303 meet the requirement in Area 5, International Cultural Studies.

Student Organizations

Alpha Kappa Delta is the national honor society in sociology. Alpha Kappa Delta recognizes academic excellence in the field and encourages its members to participate in the activites of its national organization. The members have the opportunity each year to attend a professional conference with minimal personal expense.

Sociology Club is open to all students who are interested in sociology. The club provides a setting for students to interact with their peers and will provide a wide range of activities throughout the year.

Bachelor of Arts with a Major in Sociology

Semester Hours Core Requirements (p. 33) 51* Foreign Language (four courses in one language) **Sociology Requirements** 33 3 Soc 110 Intro to Sociology Social Problems** 3 Soc 210 Computer App in Soc** 3 Soc 300 Soc 311 Social Stratification** 3 Soc 431 Sociological Research Methods** 3 3 Sociological Theory** Soc 482 Electives (9 hrs. must be Soc upper division) 15 **Supporting Requirements** 3 **Applied Statistics** Psy 320 Elective 3 Anth Geo 310 Human and Cultural 3 Geography Supporting Area (approved by sociology adviser)***

*Required sociology course Soc 110 satisfies three hours of Core Curriculum requirements.

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Electives

Sociology / 127

**See Pro							
	requisites		Hist 130	Western Civilization			remarked 0. 4
A minoi	is highly recommended.			To 1660	3	3	uggested Order of Stud
/OOO 400	nclude at least 40 upper of	livision	Hist 140	Western Civilization			
(300 - 400	level) hours.			From 1660	3	Bachelo	r of Arts
			Hist	Upper Division		Major Co	de 2208
				U.S. Electives** (not 3	20)6	Sociolog	
Bachelo	or of Science with a		Hist	Upper Division Latin			,,
Major in	Sociology			American or Asian		Freshman	Vear
major m	cociology			Elective**	3	1st Semes	
	Semester	Hours	Geog 211	Regions and Nations	3	Course	Н
Core Requ	uirements (p. 33) 51*	48	Geog	Upper Division Electiv		Soc 110	Intro to Sociology*
	Requirements	39	PSc 120	Gov't; U.S./State/Loca		CORE	[Eng 101 Comp I]
Soc 110	Intro to Sociology	3	PSc	Upper Division Electiv		CORE	[Hist 110 U.S. 1492-1877]
Soc 300	Computer App in	The state of	Econ 180	Amer Econ System		CORE	[Humanities and Fine Arts
	Sociology**	3		Certification Require	3	Foreign La	
Soc 311	Social Stratification**	3		Certification Require		Psy 120	College Orientation
Soc 361	Study of Population**	3	(p. 167)		40-41		
Soc 362	Deviant Behavior**	3			130-131	and Came	otor
Soc 431	Social Research	3	*D : :			2nd Seme	
101	Methods**	2	Required	courses in history, political	science,	Foreign La	[Eng 102 Comp II]
Soc 482		3	sociology a	and economics satisfy m	ajor re-	CORE	[PSc 120 Gov't:U.S./Sta/L
Soc 462	Sociological Theory**	3		and 18 hours of Core Cur	riculum.	CORE	[Econ 180 Amer Econ Sys
100	Electives (12 hours	10	**See Prer	equisites		CORE	[Bio 101 General Biology]
		18					L
	g Requirements	9					
sy 320	App Stat for Behavioral		Minor in	Sociology		Sophomo	re Year
	& Natural Sciences**	3				1st Semes	ter
nth	Elective	3		Semeste	r Hours	Soc 210	Social Problems**
ieo 310	Human and Cultural		Soc 110	Intro to Sociology	3	Foreign La	
	Geography	3	Soc 311	Social Stratification (W	1)	CORE	[Humanities and Fine Arts]
lectives		28	OR			CORE	[Math 125 Cont Math]
	1	24***	Soc 341	Gender Roles		CORE	[Comm 100 Oral Comm]
			OR				
	Sociology course 110 sa		Soc 382	Minority Groups and		2nd Semes	ster
	of Core Curriculum requiren	nents.		Race Relations	3	Soc	Elective
See Prere	equisites		Soc 402	Community (WI)	3	Foreign La	
*Must inc	lude at least 40 upper divi	sion	Soc	Electives (6 hours mus	t be	CORE	[Phys 100 Fund of Phys So
00 - 400	evel) hours.			upper division)	12	CORE	[Hist 120 U.S. History
					21	0.0	1877-Present]
						OR	[11]
			*Select with	prior approval of a so	oiologu	CORE	[Hist 320 U.S. History
achelo	of Science in				CIOIOUV		1877-Present]
	of Science in						
ducatio	n with a Major			prerequisites where app			
ducation Social	n with a Major Studies					Junior Yea	r
ducation Social	n with a Major		adviser. See	prerequisites where app		Junior Yea	
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ducation Social ociology rades 9-1	n with a Major Studies Emphasis 2 Certification	Field	adviser. See	prerequisites where app	licable.	1st Semest	er
ducation Social ociology rades 9-1	n with a Major Studies Emphasis 2 Certification Single Teaching		adviser. See	e prerequisites where app	licable.	1st Semest Soc 311	er Social Stratification**
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Senior Year

Soc [Supporting Are	Sociological Res Methods** Upper Division Elective] ea [A minor is suggested] Electives	3 3 4 3 3
2nd Semester Soc 482 Supporting Ar Electives	Sociolgical Theory** ea [A minor is suggested]	3 6 6
**Prerequisite	Core Curriculum requiremes s Recommendations]	ent
	s to select a supporting area with a sociology adviser.	a in
Bachelor of Major Code Sociology	2220	
Freshman You		
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Soc Elective CORE CORE Geog CORE	with approval of adviser [Math 125 Cont Math] [English Lit] Elective [Bio 101 General Biology]	3 3 3 4 16
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Junior Year		
1st Semester		
Comp 105	Intro to Micro Use	3
Soc 311	Social Stratification**	3
CORE	[Psy 320 App Stat]	3
Soc	[Upper Division Elective]	3
CORE	[Humanities and Fine Arts]	3
CORE	[Hist 320 U.S. 1877-Presen	t]3
CORE	[Kine 101 Physical Activity]	1
00		16
2nd Semeste	er	
Soc 362	Deviant Behavior**	3
Soc 361	Study of Population	3
Electives	[A minor is suggested]	6
Soc 300	Comp App in Sociology**	3
E. E. Dieterski	ment automorphise auto	15
Senior Year		
1st Semeste		
Soc 431	Soc Research Methods**	3
Soc	Electives	6
Elective	[A minor is suggested]	6

*Also meets a Core Curriculum requirement.

Sociological Theory**

[A minor is suggested]

15

3

3

9

15

**Prerequisites

2nd Semester

Soc 482

Flectives

Soc

Junior Vasi

[Department Recommendations]

Elective

The student is to select a minor in consultation with a sociology adviser.

For additional information contact:

Dr. Richard Miller

Office: Webster Hall 245 Phone: 417.625.9565

E-mail: miller-r@mail.mssc.edu

Course Descriptions

Anthropology

Anth 155 (F) 3 hrs. cr.

Physical Anthropology and Archaeology

Physical and cultural anthropology with particular emphasis on the linkage of human prehistory to the development of culture and the human capacity for society. Can be used to satisfy the Core Curriculum requirement in Area 5.

Anth 298 (Demand) 3 hrs. cr.

Topics in Anthropology

Special Anthropology topics of current interest. Subjects and instructors may vary each semester. Students are encourage to submit areas of interest to the social science department.

Anth 302 (S) 3 hrs. cr.

North American Indian

Ethnographic survey of the indigenous tribes of North America (excluding Mexico), including earliest archeological sequences followed by a description of the culture areas and traditional lifeways encompassed therein at the time of European contact, with emphasis upon the processes of culture change and adaptation over the past to centuries. Contemporary issues such as language renewal, the Pan-Indian movement, religious freedom and tribal sovereignty are then placed within their cultural and historical contexts.

Anth 342 (S) 3 hrs. cr.

Comparative Cultures

A comparative study of human society and culture, focusing on theories of culture and cultural institutions as they relate to contemporary preindustrial peoples. An ethnographic examination of representative groups is provided for purposes of cross-cultural comparison. Can be used to satisfy the Core Curriculum requirement in Area 5. Prerequisite: Soc 110 or Anth 155 or consent of instructor.

Anth 385 (F) 3 hrs. cr.

Language and Culture

Exploration of the relationship between language and culture from the theoretical and substantive approaches within anthropology, including the Sapir-Whorf hypothesis and the attempts to support or refute it. An ethnographic examination of the expressive potentialities of diverse languages and cultures is provided for purposes of crosscultural comparison.

Anth 498 (Demand) 3 hrs. cr.

Seminar in Anthropology
Specialized knowledge and/or

Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research.

Anth 499 (Demand) 3 hrs. cr.

Independent Study

Stuctured by the adviser with approval of the department chair and school dean.

Sociology

Soc 110 (F, S) 3 hrs. cr.

Introduction to Sociology

A systematic study of society. Emphasis on major concepts of sociology and the scientific point of view in dealing with social phenomena. Satisfies a Core Curriculum requirement.

Sociology / 129

Soc 210 (F, S)

3 hrs. cr.

Social Problems

A survey of contemporary social problems including racism, sexism, crime and deviance, drug use, and mental disorders. The course encourages a critical examination of society and focuses on the structural sources of social problems such as class, race, and gender. The role of the U.S. in global social problems is also explored. Prerequisite: Soc 110.

Soc 221 (F)

3 hrs. cr. Social

Marriage and Family

Paired relationships, marriage as the genesis of family life, elements in the preparation for marriage and parenthood and the development of family relationships throughout the life cycle.

Soc 291 (F)

3 hrs. cr.

The Sociology of Death and Dying

A review of the international religious, secular and scientific expressions regarding death. Historical and current issues pertaining to death are explored and a critical perspective is taken on all positions. The course incorporates both philosophical and pragmatic overviews of death and dying.

Soc 298 (Demand)

3 hrs. cr.

Topics in Sociology

Special sociology topics of current interest. Subjects and instructors may vary each semester. Students are encouraged to submit areas of interest to the social science department.

Soc 300 (F,S)

3 hrs. cr.

Computer Applications in the Sociology

An analysis of computers and their applications in the social sciences. Focus on preexisting software designed for use by social science disciplines. Emphasis on data entry, analysis and interpretation of printouts. Prerequisite: Psc 280 or Psy 320.

Soc 301 (F)

3 hrs. cr.

Sociology of Religion

Religion as a major social institution. Compares religions regarding behavioral content. Major attention is given to the nature of religion, organized religion and how religion is integrated into society. Limited attention given to the behavioral expectations associated with the major religions of the world. Prerequisite: Soc 110.

Soc 303 (S)

3 hrs. cr.

The Arab World

A social science view of the Arab world which identifies peoples, countries, geographical settings, cultural differences, cultural change, political and religious affiliations, and the emergence of contemporary issues. Special emphasis will be placed upon the Israel - Palestine - Jordan problem area. Can be used to satisfy the Core Curriculum in Area 5.

Soc 306 (S)

Sociology of Aging

A review of aging studies with particular emphasis on needs, problems, areas of concern, aging theories, social services for the elderly and accumulated data from gerontological research. Such topics as life changes, retirement and alternative life styles among the elderly will be analyzed. Prerequisite: Soc 110.

Soc 311 (F)

3 hrs. cr.

Social Stratification (Writing Intensive) Examination of differences in power, privilege and prestige. Analysis of the effects of social inequality on people's lives within the United States and an overview of the complex array of social structures which comprise international systems of inequality by race/ethnicity, gender and social class. Prerequisite: Soc 110.

Soc 312 (S)

3 hrs. cr.

Juvenile Delinquency

Analysis of environment and social background for juvenile delinquency behaviors. Investigation of behavioral content and scope of official delinquency. Review of the influences of family, school, peer groups and gangs, and the juvenile justice and corrections system. Prerequisite: Soc 110.

Soc 319 (F)

3 hrs. cr.

Individual and Society

Theoretical examination of the individual as a social product and social force. Study the foundations of human interaction, process of socialization, and differentiation of individuals. Focus on perceptions, attitudes, and beliefs within the individual as we examine individual behavior within the social context. Prerequisite: Soc 110.

Soc 322 (S)

3 hrs. cr

Sociology of Work and Leisure

Analysis of work, occupations, career mobility and job satisfaction as important elements in society. Examination of leisure activities which alter with technological advances and the changing economic base. Prerequisite: Soc 110.

Soc 331 (F)

3 hrs. cr.

Introduction to Social Work

Philosophical and historical development of social work as a professional career. Focuses on role of the social worker within the various practice settings. May entail field trips and guest speakers. Prerequisite: Soc 110.

Soc 332 (S)

3 hrs. cr.

Social Work Practice

Emphasizes the development of skills needed to initiate, enhance, or restore relationships between clients and society. Focuses on techniques and case management, analysis of cases and practical experience in a social agency or community program providing human services. Admission dependent on departmental committee approval. Prerequisite: Soc 331 and junior standing.

3 hrs. cr.

Soc 341 (F) Gender Roles

3 hrs. cr.

Introduction to the biological, cultural and structural foundations of gender. Explores theories that help to explain gender, a fundamental and pervasive determinant of social life. Studies reviewed that illustrate differences in the evaluations of men's and women's activities and traditional gender roles. Sociological implications of sex and gender at both the personal (micro) and societal (macro) levels of analysis will be discussed. Prerequisite: Soc 110.

Soc 343 (F)

3 hrs. cr.

Visual Sociology

An exploration of the varied ways that visual images may be incorporated into sociological research. Overview of the principals of visual research. The three categories of techniques explored are: using images to illustrate or illuminate sociological research, using images to gather sociological information, and examining images from a sociological perspective. Emphasis on learning to apply these techniques to any sociological problem. Prerequisite: 9 hours of sociology.

Soc 351 (F)

3 hrs. cr.

Criminology

Social and legal concept of crime. Review of measurements and data of crime(s) and the theories related to the cause of criminal behaviors. Discussion of profiles of different adult offenders and their behavioral characteristics relative to the major felonies committed in contemporary society. Prerequisite: Soc 110.

Soc 354 (S)

3 hrs. cr.

Sociology of Health and Illness

Social causes and consequences of health and illness. The expanding role of health-related organizations, the training of health care personnel, and the contemporary consumer's movement are also explored. A cross-cultural comparison of health care delivery systems and a review of various social problems associated with health care in the U.S. is provided. Prerequisite: Soc 110.

Soc 361 (F)

3 hrs. cr.

The Study of Populations

Changes in human population through an analysis of birth rates, death rates and migrations. Social demographic analysis of census and independent research data. Various population theories are applied to national and world situations. Concepts of over-population, minority groups and aging are analyzed. Prerequisite: Soc 110.

Soc 362 (F)

3 hrs. cr.

Deviant Behavior

Theoretical explanations of socially disapproved behavior from the sociological perspective and the application of these concepts to specific forms of deviance. Analysis of the social nature of conforming behavior as a way of increasing understanding of deviant behavior. Prerequisite: 6 hours of Sociology.

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Soc 373 (F)

3 hrs. cr.

Sociology of Sports

The examination of sports as social phenomena, using sociological tools to place sports with the larger context of social structure. Sports involve social relationships and collective action and have relevance in people's social lives. As such, it is important to investigate how they are defined, organized and integrated into the culture of society and to increase awareness of their positive and negative consequences. Prerequisite: Soc 110.

Soc 382 (S)

3 hrs. cr.

Minority Groups and Race Relations

A study of racial and cultural groups particularly focusing on the United States with some analysis of international ethnic relations. Analyzes several general theories and explanations for minority-dominant relations. Includes a study of legislation affecting minorities in the U.S. Prerequisite: Soc 110.

Soc 391 (F)

3 hrs. cr.

Penology and Corrections

Philosophy, history and operations of penitentiary systems with special attention given to changes in adult institutions. Explanation of the problems associated with prison populations and types of facilities along with sentences, therapeutic models and community treatment. Prerequisite: Soc 110.

Soc 395 (S)

3 hrs. cr.

Collective Behavior

Emerging social processes related to crowd behavior such as riots panics, mass hysteria's, fads and social movements. Exploration of the theories that have been applied to such occurrences. Examination of several specific episodes of collective behavior from the perspective of these theories. Prerequisite: 9 hours of sociology or consent of instructor.

Soc 396 (F)

3 hrs. cr.

Sociology of Education

An analysis of the functions and processes that characterize the social institution of education (e.g., cultural transmission and social control), the role of the education in the process of social stratification (e.g., ability grouping and social class reproduction) and attempts to achieve equality of the educational opportunity (e.g., by race/ethnicity, gender and social class). Includes an exploration of the relationships between education and the other social institutions (including the family, religion and the economy).

Soc 402 (S)

3 hrs. cr.

The Community - Rural

and Urban (Writing Intensive)
Social processes of human groups who share
common unities of territory and cultural bonds.
Major attention on gemeinschaft-gesellschaft
theories as they pertain to national, rural, urban,
ethnic and subcultural communities, and how

ethnic and subcultural communities, and how these intertwine in contemporary societies. Pre-

requisite: Soc 110.

Soc 406 (S)

Sociology of Child Abuse

An analysis of child abuse and neglect as it has developed within the United States. The dynamics of the family environment as well as the victim-perpetrator relationship will be examined. Emphasis will be placed on societal reaction to both abuser and the abused in addition to the behavior itself. Potential treatment alternatives will be analyzed. Prerequisite: 12 hrs. of sociology.

Soc 407 (F)

3 hrs. cr.

3 hrs. cr.

Sociology and the Mass Media

Importance of mass media in shaping and creating cultural perceptions. As an agent of Socialization that has continued to expand its influence by virtue of its pervasiveness, it is important to examine the nature and impact of its messages. Prerequisite: Soc 110.

Soc 431 (F)

3 hrs. cr.

Sociological Research

Methods (Writing Intensive)
Methods of problem and hypotheses formulation
and data collection, including interviewing and
instrumentation. Focus on the analysis of research findings and ethical procedures. Emphasizes survey designs employed in sociological

inquiry. Prerequisite: 12 hrs. of sociology.

Soc 482 (S)

3 hrs. cr.

Sociological Theory

Classical and contemporary theory placed in historical perspective. An analysis and interpretation of social groups, social organizations and social systems through the study of social thought from Auguste Comte to theorists in the modern period. Prerequisite: 9 hrs. of sociology.

Soc 496 (Demand)

1-8 hrs. cr.

Internship in Sociology

Observation of and participation in various social service agencies in the community. All internships must conform with institutional policy regarding the number of hours per credit and contractual agreements with cooperating agency personnel. No more than three hours may be counted toward a major or minor. Prerequisites: 15 hrs. of sociology, junior standing or above and approval of a departmental committee.

Soc 498 (Demand)

3 hrs. cr.

Seminar in Sociology

For upper division sociology majors. Topics covered and methods used will place emphasis on student-instructor interest, desire to pursue indepth research and ability to assimilate topics. It will include areas not already treated in other sociology courses. Prerequisite: 15 hrs. of sociology or consent of instructor.

Soc 499 (Demand)

1-2-3 hrs. cr.

Independent Study

Structured by the adviser with the approval of the department head and school dean. Prerequisite: Advanced standing in the major field with a GPA of 3.0. Enrollment in the course must be approved by department head and dean.

Theatre

Taylor Auditorium 243, 417.625.9393

Faculty J. Fields - Head, S. Claussen, A. Jaros, A. Pinkston, D. Hunt (Professor Emeritus)

Specialized theatre training provides students with a broad academic background that can lead to a number of careers. Graduates of the Missouri Southern theatre department are currently employed in fields such as:

Theatre Performance/Design
Television Production/Performance
Commercials
Public Relations
Stage Management
Graduate Study
Executive Leadership
Recreational Directorship
Technical Theatre
Personnel Management
Government Service
Fashion Industry

Fashion Industry TV Anchor

Business Computer Technology Secondary Education

Film Cartoon Director Ministry Magician

Theme Park Performance/Production

Factors Unique to Theatre Department:

- hands-on experience for students in acting, house and stage management, directing, and technical production and design;
- a children's theatre play program performing for more than 15,000 people annually from the four state area;
- production participation open to all Southern students, faculty and staff;
- theatre faculty members who have professional experience in their teaching specialties;
- a modern, well-equipped mainstage theatre as well as flexible space for studio productions;

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6. two theatre organizations: College Players and Alpha Psi Omega, a national honorary fraternity.

The theatre department offers a bachelor of arts degree with a major in theatre, a bachelor of science in education degree with a major in theatre/speech (plan B), and an associate of arts degree with a performance or a non-performance option. A minor in theatre is also available. During their senior year, all majors must take a final exam covering all areas of the theatre and present a creative exiting project in addition to participating in the college general assessment program.

To satisfy the college-wide computer literacy requirement, theatre majors earning a B.A. should complete Comp 105 or above. Those earning a B.S.E. must take Educ 301.

It is recommended that students pursuing a degree in theatre meet with their faculty adviser at least twice each semester, once in addition to planning their next semester's schedule. More detailed information is available in the theatre office, 243 Taylor Performing Arts Center.

Bachelor of Arts with a Major in Theatre

		Semester I	Hours
	Core Requ	irements (p. 33) 51*	48
		Literacy Requirement	
	Comp 105		3
		anguage (four courses in	1
	same lang		12
		equirements	49
	Th 110	Theatre Appreciation	3
	Th 121,122	2,221,222 Theatre Laborat	tory
	(Select two		4
	Th 142	Theatre Technology	3
	Th 231	Speech for Stage I	3
	Th 232	Costume Technology	3
	Th 233	Stage Makeup	3
	Th 234	Introduction to	
1		Theatrical Design	3
	Th 241	Acting I (WI)	3
	Th 331	History of Theatre (WI)	3
	Th 332	History of Theatre (WI)	3
	Th 341	Acting II**	3
	Th 351	Directing I**	3
	Th 362	Stage Costume Design*	3
	Th 320	Lighting Design**	
	OR		
1	Th 361	History of Costume**	
	OR		
	Th 372	Directing II**	3

		124***
Electives		12
Th 441	Stage Design**	3
Th 431	Creative Dramatics	3
OR		
Th 422	Acting III**	

Core Curriculum requirement in Area 2A Humanities and Fine Arts is fulfilled by Th 110 (Theatre Appreciation) and Area 2C must be fulfilled by Art 110 (Art Appreciation) or Mus 110 (Music Appreciation).

**See Prerequisites

***Three Writing Intensive (WI) courses in addition to English composition must be included. Two of these must be upper division courses and one of the two must be in theatre.

A total of 40 upper division hours (300-400) are required, 24 specified in theatre plus 16 electives in other areas.

Bachelor of Science in Education with a Major in Theatre/Speech Communications Grades 9-12 Certification Plan B Single Teaching Field

	Semester F	loui	rs
Core Requ	irements (p. 33) 51*	4	18
Theatre Re	equirements	2	23
Th 110	Theatre Appreciation	3	
Th 121 or 1	22 or 221 or 222 Theatre		
	Laboratory	2	
Th 142	Theatre Technology	3	
Th 212	Oral Interpretation	3	
Th 234	Introduction to		
	Theatrical Design	3	
Th 241	Acting I (WI)	3	
Th 331	History of Theatre (WI)		
OR			
Th 332	History of Theatre (WI)	3	
Th 351	Directing I**	3	
	ation Requirements	1	2
	Intro to Human Comm	3	
	Interpersonal Comm**	3	
	Small Group Comm	3	
Comm 315	Argumentation and		

Speech Communication Electives*** 8 Education Certification Requirements (p. 167) 39-42 130-133

Debate**

Core Curriculum requirement in Area 2A Humanities and Fine Arts is fulfilled by Th 110 (Theatre Appreciation).

Core Curriculum requirement for Area 3C must be satisfied by Psychology 100

**See Prerequisites

***Must be approved in advance by the student's adviser who must be selected from either the area of speech communication or theatre. Students pursuing the BSE degree must receive no lower grade than a "C" in all required theatre/communication courses.

Associate of Arts with an Emphasis in Theatre

Semester Hours

Core Requirements (p. 34) 42
Candidates for the associate of arts degree with an emphasis in Theatre must select Th 110, Theatre Appreciation for Area 2A of the Core

Theatre Requirements (Select Option A or B)

Option A	or B)	
A. Perform	mance Option	25
Th 101,102	2,201,202 Theatre	
	Performance (2)	
OR		
Th 121,122	2,221,222 Theatre	
	Laboratory	2
Th 231	Speech for Stage I	2
Th 241	Acting I	3
Th 242	Theatre Movement I	1
Th 251	Audition Techniques	
	For the Actor	1
Th 341	Acting II	3
Th 233	Stage Makeup	3
Th 142	Theatre Technology	
OR		
Th 232	Costume Technology	3
	irses from list below	6
Th 212	Oral Interpretation	
Th 235	Stage Combat	
Th 240	Speech for Stage II	
Th 243	Musical Theatre	
Th 141	Improvisational Acting	
Th 422	Acting III	
Th 431	Creative Dramatics	
Th 351	Directing I	
Th 372	Directing II	
Th 331	History of Theatre	
Th 332	History of Theatre	67

67

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1321	IIIGAUG						
B. Non-Pe	erformance Option	24	*All course	s must be selected with a	dviser	2nd Semes	
	2, 221, 222 Theatre		approval. S	Six hours must be upper di	vision.	Th 362	Stage Costume Design* 3
Laboratory		6	**See Prer			Th 332	History of the Theatre 3
Th 142	Theatre Technology	3				CORE	[Hist 120 U.S. 1877-Pres] 3
Th 234	Introduction to					Foreign Lar Theatre Ele	33-
	Theatrical Design	3				Theatre Lie	13
Th 232	Costume Technology						
OR			Sug	gested Order of Study		Senior Yea	r
Th 320	Stage Lighting	3	ATTENDED BY	CONTRACTOR STORY OF THE STORY OF THE STORY	ALC: NAME:	1st Semest	
Th 241	Acting I	3	Bachelor	of Arts		Th 361	History of Costume# 3
			Major Cod			Th 351 CORE	Directing I** 3 [Phys 100 Physical Science] 5
Plus 2 Cou	ırses from list below	6	Theatre M			Foreign Lar	
Th 233	Stage Makeup					r oroigir Lai	14
Th 361	History of Costume		Freshman '	Year			
Th 311	Stage Management		1st Semeste			2nd Semes	
Th 441	Stage Design		Course	Ho	ours	Th 372	Directing II*# 3
Th 362	Stage Costume Design		Th 121	Theatre Lab	2	Foreign Lar	
Th 331	History of Theatre		Th 231	Speech For Stage I	3	CORE	[Econ 180 Amer Econ Sys] 3 [Psc 120 Gov't:US/Sta/Loc] 3
Th 332	History of Theatre		Th 233 CORE	Stage Makeup	3	Elective	Theatre 3
Th 382	Sound Design		CORE	[Eng 101 Comp I] Theatre Appreciation	3	Liodivo	15
		66	Psy 120	College Orientation	1		
			1 0, 120	conogo orientamen	15	[Departmen	nt Recommendations]
						*See prerec	
Minor in	Theatre		2nd Semest				bstituted for approved class in tech or
	Semester I	Hours	Th 142	Theatre Technology	3	acting area	
Th 121, 12	2, 221, 222 Theatre		Th 241	Acting I	3	Supporting	Flectives:
Laboratory	(Select two)	4	CORE	[Eng 102 Comp II] [Kine 101 Physical Activity	3		, Art, Business, Communications,
Th 110 Th	eatre Appreciation	3	CORE	[Math 125 or above]	3		usic,Computer Science
Choose a	total of 11 hours from		Th 212	Oral Interpretation	3		
the following	ng list of classes:	11*			16	For addition	onal information contact:
Th 141	Improvisational Acting	3				Dr. Jay Fi	elds
Th 142	Theatre Technology	3	Sophomore				ylor Performing Arts Center 243
Th 212	Oral Interpretation	3	1st Semest				17.625.9393
Th 233	Stage Makeup	3	Th 341	Acting II*	3	E-mail: fie	lds-j@mail.mssc.edu
Th 234	Introduction to		Th 221 Th 251	Theatre Lab Aud. Techniques for Actor			
	Theatrical Design	3	Comp 105	or above Computer			
Th 231	Speech for Stage I	3	comp roo	Literacy Requirement	3	Bachelor	of Science in Education
Th 251	Audition Techniques		CORE	[Kine 103 Lifetime Wellnes		Major Cod	
	for the Actor	1	CORE	[Literature Choice]	3	,	nd Theatre
Th 232	Costume Technology	3	CORE	[Hist 110 U.S. 1492-1877]	3		-12 Certification
Th 235	Stage Combat	3			17	Theatre E	
Th 240	Speech for Stage II	3	2nd Semes	tor		Plan B	Single Teaching Field
Th 242	Theatre Movement I	1	Th 422	Acting III*#			
Th 311	Stage Management**	3	OR			Freshman	Year
Th 241	Acting I (WI)	3	Th 431	Creative Dramatics	3	1st Semest	
Th 243	Musical Theatre	3	Th 234	Intro to Theatrical Design	3	Courses	Hours
Th 298	Explorations in		Th 320	Lighting Design *#	3	Educ 100	Orientation to Education I 1
	Theatre (when offered)	3	CORE	Art or Music Appreciation	3	Psy 100	General Psychology 3
Th 320	Stage Lighting**	3	CORE	[Psy 100 or Soc 110]	3	Th 121	Theatre Lab 2
Th 331	Theatre History (WI)	3	CORE	[Comm 100 Oral Comm]	3 18	CORE Psy 120	[Eng 101 Comp I] 3 College Orientation 1
Th 332	Theatre History (WI)	3				CORE	Theatre Appreciation 3
Th 333	Eastern Theatre Traditio		Junior Yea	r		CORE	[Kine 101 Physical Activity] 1
Th 341	Acting II**	3	1st Semest			Elective	3
Th 351	Directing I**	3	Th 441	Stage Design*	3		17
Th 361	History of Costume	3	Th 232	Costume Technology	3		
Th 362	Stage Costume Design*	* 3	Th 331	History of the Theatre	3		
Th 372	Directing II**	3	CORE	[Bio 101 General Biology]	4		
Th 382	Sound Design	3	Foreign Lar	iguage	3		
Th 422	Acting III**	3			16		

3

1-3

Th 422

Th 435

Th 441

Theatre Internship

Stage Design**

Acting III**

Theatre / 133

Th 142 Theatre Technology Th 212 Oral Interpretation Th 241 Acting I CORE [Eng 102 Comp II] CORE [Comm 100 Oral Comm] CORE [Math 125 or above] Sophomore Year 1st Semester Take C-Base test. Educ 200 Orientation to Education II Comm 101 Intro to Human Comm CORE [Hist 120 U.S. 1877-Pres] CORE [Kine 103 Lifetime Wellness] 2 CORE [Kine 103 Lifetime Wellness] 2 CORE [Area 2-C Elective] Th 241 Acting I Seduc 402 Foundations in Educ Critical Issues 2 Critical Issues 2 Critical Issues 2 Non-Performance Option Freshman Year 1st Semester Courses CORE [Eng 101 Comp] CORE [Core at night only. Must be taken the semester or stage at night only. Must be taken the semester or stage at night only. The 200 or stage Lighting (Spring Core at night only. The	
Th 212 Oral Interpretation Th 241 Acting I CORE [Eng 102 Comp II] CORE [Comm 100 Oral Comm] CORE [Math 125 or above] Sophomore Year 1st Semester Take C-Base test. Educ 200 Orientation to Education II COME [Hist 120 U.S. 1877-Pres] CORE [Kine 103 Lifetime Wellness] 2 CORE [Kine 103 Lifetime Wellness] 2 CORE [Area 2-C Elective] Seduc 402 Foundations in Educ Critical Issues 2 Indiv Curr Development (2) Critical Issues 2 Non-Performance Option Analor Code 7012 Non-Performance Option Freshman Year 1st Semester Courses CORE [Eng 101 Comp] CORE [Kine 103 Lifetime Wellness] 2 Costume Technology Th 240 Critical Issues 2 Non-Performance Option Freshman Year 1st Semester Courses CORE [Eng 101 Comp] CORE [Kine 103 Lifetime Wellness] 2 Costume Technology Th 320 Costume	
CORE [Eng 102 Comp II] 3 Educ 432 Critical Issues 2 Educ 412 Indiv Curr Development (2) CORE [Comm 100 Oral Comm] 3 OR CORE [Math 125 or above] 3 Educ 420 Intro to Counseling** 3 I8 OR Sophomore Year 1st Semester Sophomore Year 2 Educ 462 Stu Tchng in Sec Sch 8 CORE [Eng 101 Comp] 19 CORE [Comm 101 Intro to Human Comm 3 *See prerequisites **Offered at night only. Must be taken the semester CORE [Kine 103 Lifetime Wellness] 2 ter prior to student teaching. Can substitute Educ Th 230 Stage Lighting (Spring Core in the commandation of the	
CORE [Comm 100 Oral Comm] 3 OR CORE [Math 125 or above] 3 Educ 420 Intro to Counseling** 3 Is Semester Sophomore Year 1st Semester Take C-Base test. Educ 200 Orientation to Education II 1 Comm 101 Intro to Human Comm 3 *See prerequisites CORE [Hist 120 U.S. 1877-Pres] 3 **Offered at night only. Must be taken the semes-CORE [Kine 103 Lifetime Wellness] 2 ter prior to student teaching. Can substitute Educ Th 230 Stage Lighting (Spring Core Core Core Courses CORE [Area 2-C Elective] 3 **Offered at 200 Courses Courses CORE [Indiv Curr Development (2) Freshman Year 1st Semester Courses CORE [Eng 101 Comp] CORE [Kine 103 Lifetime Ventors Application to Education II 1 The 232 Costume Technology Consumed Technolo	
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Take C-Base test. Educ 200 Orientation to Education II Comm 101 Intro to Human Comm 3 *See prerequisites CORE [Hist 120 U.S. 1877-Pres] 3 **Offered at night only. Must be taken the semes- CORE [Kine 103 Lifetime Wellness] 2 ter prior to student teaching. Can substitute Educ CORE [Area 2-C Elective] 3 *16-17 CORE (Kine 103 Lifetime Wellness) 2 (CORE (Fine 103 Lifetime Wellness) 3 (CORE (Fine 103 Lifetime Wellness) 3 (CORE (Fine 103 Lifetime Wellness) 3 (CORE (Fine 103 Lifetime Wellness) 4 (CORE (Fine 103 Lifetime Wellnes	Hours
1st Semester Take C-Base test. [Department Recommendations] Theatre Lab Correct [Hist 120 U.S. 1877-Pres] CORE [Kine 103 Lifetime value of Correct	3
Educ 200 Orientation to Education II 1 Comm 101 Intro to Human Comm 3 *See prerequisites CORE [Hist 120 U.S. 1877-Pres] 3 **Offered at night only. Must be taken the semester prior to student teaching. Can substitute Educ CORE [Area 2-C Elective] 3 **Offered at night only. Must be taken the semester prior to student teaching. Can substitute Educ Th 320 Stage Lighting (Spring Core Educ 420.	
Educ 200 Orientation to Education II 1 Comm 101 Intro to Human Comm 3 *See prerequisites * CORE [Hist 120 U.S. 1877-Pres] 3 **Offered at night only. Must be taken the semester prior to student teaching. Can substitute Educ CORE [Area 2-C Elective] 3 *412 or Psy 412 for Educ 420. Theatre Lab Costume Technolog OR Th 320 Stage Lighting (Spring Control of Control of Costume Technolog OR Th 320 Theatre Lab Costume Technolog OR Th 320 Theatre	
CORE [Hist 120 U.S. 1877-Pres] 3 **Offered at night only. Must be taken the semester prior to student teaching. Can substitute Educ Th 320 Stage Lighting (Spring Core [Area 2-C Elective] 3 412 or Psy 412 for Educ 420.	2
CORE [Hist 120 U.S. 1877-Pres] 3 **Offered at night only. Must be taken the semes- CORE [Kine 103 Lifetime Wellness] 2 ter prior to student teaching. Can substitute Educ CORE [Area 2-C Elective] 3 412 or Psy 412 for Educ 420. Th Stage Lighting (Spri	ју
CORE [Kine 103 Lifetime Wellness] 2 ter prior to student teaching. Can substitute Educ Th 320 Stage Lighting (Spri	
CORE [Area 2-C Elective] 3 412 or Psy 412 for Educ 420. Th Non-Performance E	
CORE [Econ 180 Amer Econ Sys] 3 ***Student can take Th 331 (Fall odd) or Th 332	16
15 (Spring even)	
2nd Semester	
2nd Semester Associate of Arts with an CORE [Eng 102 Comp]	3
Apply for admission to teacher education. Emphasis in Theatre. CORE [Kine 101 Physical /	Activity] 1
Educ/Psy 302 The Exceptional Child 2 CORE [Math 125 or above]	
Educ 301 Computer Software 3 Indigor Code 7011 CORE [Psy 100 General Ps	ychology]3
CORE [Hist 110 U.S.1492-1877] 3 Performance Option Th 142 Theatre Technology	3
Comm 215 Interpersonal Comm 3 _ Th 241 Acting I	3
Th 234 Intro to Theatrical Design 3 Freshman Year	16
Psy 301 Adolescent Psychology 3 Courses Hours Sophomore Year	
"CORE [Eng 101 Comp] 3 1st Semester	
Junior Year CORE [Kine 103 Lifetime Wellness] 2 CORE [Literature Choice]	3
Julior Tear	
The 121 Theotre I ch 2 COPE [Pic 101 Coperal Pic	
The Collection County I Collection Collectio	
Th 200 Store Molecum	
rsy 510 Educational rsychology 2	16
Educ 329 Ped Theo, Meth & Pfac 4	10
Educ 321 Microteaching 2 Educ 423 Classroom Management 2 2nd Semester 2nd Semester	
CODE [First 102 Comp.] 2 CODE [Comm 100 Orol Co	mml 3
CORE (King 101 Physical Activity) 1 CORE (Phys 100 Physical)	
COPE [Moth 125 or above] 2 COPE [High 110 or 120 LIC	
Note: See Educ 420 below** CORE [Psy 100 General Psychology]3 Th 234 Intro to Theatrical D	
Th 241 Acting I	14
Th 242 Theatre Mayament I	14
Educ 422 Tenna Hana in the Sec Sen 2	
Comm Electives* 4 Theatre Technology For additional information con	tact:
CORE [Phys 100 Physical Science] 5 OR Th 232 Costume Tech (Fall Odd) 2	
CORE [Psc 120 Gov't:US/Sta/Loc] 3 In 232 Costume Fech (Fail, Odd) 3 Office: Taylor Performing Arts	Center 243
CORE [Area 2-B Elective] 3 Phone: 625-9393	
17	Ш
Sophomore Year E-mail. Helds-j & mail.mssc.ed	-
1st Semester	
Senior Year CORE [Literature Choice] 3	
1st Semester CORE [Humanities Choice] 3	
Apply for student teaching, All course work must CORE [Bio 101 General Biology] 4	
the completed except for Professional Semester CORE [PSC 120 GOVT:US/Sta/Loc] 3	
Courses Th 251 Aud. Techniques for Actors 1	
Th 351 Directing I* 3 Th 341 Acting II 3	
Comm 315 Argumentation & Debate 3	
CORE [Bio 101 General Biology] 4	
CORE [Area 5-A Elective] 2nd Semester	
Comm Flectives* 3 CORE [Comm 100 Oral Comm] 3	
16 CORE [Phys 100 Physical Science] 5	
CORE [Hist 110 or 120 US History] 3	
Th Performance Electives 6	
17	

Course Descriptions

Th 101,102,201,202,301,302,401,402 (F, S, S)

Theatre Performance

The performance of a role, service as a designer or stage manager which has met departmental standards on a major production. A student may accumulate up to 8 hours of credit. Credit is applied for after production closes. Credit applies only to accumulative graduation hours.

Th 110 (F, S, S)

3 hrs. cr.

1 hr. cr.

Theatre Appreciation

Introduction to theatre as a communicative and fine art emphasizing collaborative efforts of playwright, artistic director, designer, actor, and crew. Activities include the interpretation and evaluation of plays through scripts, live, and taped performances. Satisfies 3 semester hours of Core Curriculum requirement in Area 2A or 2C (Humanities and Fine Arts).

Th 121,122,221,222,321,322 (F, S) 2 hrs. cr.

Theatre Laboratory

A laboratory devoted to mounting the theatre's season. Meets two hrs. in sequence twice a week.

Th 141 (Demand) 3 hrs. cr.

Improvisational Acting

Development of individual's ability to express motivation, objective, thought, action and dialogue improvisationally. Daily discussions and improvisational exercises which lead to more believable stage performance.

Th 142 (S, Even or Demand)

3 hrs. cr.

Theatre Technology

Hardware and tool usage and technical drawing as applied to theatre. The use of electricity, sound and electronics in the theatre. Stage rigging.

Th 212 (S, Even)

3 hrs. cr.

Oral Interpretation

Principles and techniques for the public presentation of oral reading. Selection, analysis and preparation of different types of literature with emphasis on platform presentation of prose, poetry, drama and Readers Theatre.

Th 231 (F, Odd)

3 hrs. cr.

Speech for Stage I

Exercises and drills to improve projection, quality, flexibility and effectiveness of the speaking voice leading to good usage in Standard American speech, based on the International Phonetic Alphabet.

Th 232 (F, Odd or Demand)

3 hrs. cr.

Costume Technology

Basic techniques for construction of stage costumes from a designer's sketch. Areas covered are: fabrics, pattern development, cutting, sewing, dyeing and crafts. No previous skills required. Two hours lecture, 2-hrs. lab per week.

Th 233 (F, Odd or Demand)

3 hrs. cr.

Stage Makeup

Introduction to the design and application of makeup for the stage. Focus is on the application of two-dimensional makeups for both large and small theatres. The uses and sources of a variety of materials will be discussed. Students must provide their own makeup and supplies.

Th 234 (S, Odd or Demand) 3 hrs. cr. Introduction to Theatrical Design

Theoretical information which is common to all theatrical design courses. Emphasis is on developing creativity, script analysis, techniques of scenography, and collaboration, as well as the application of basic elements and principles of design in relation to the theatre.

Th 235 (F, Even)

3 hrs. cr.

Speech for Stage II

A continuation of stage speech training, emphasizing resonance, range, vocal dynamics, vocal expressiveness, and stage dialects. The course provides training in the most current and most significant voice methods for actors and speakers, and utilizes the International Phonetic Alphabet to develop performance skills in American regional and foreign dialects. Prerequisite: Th 231

Th 240 (S, Odd)

3 hrs. cr.

Stage Combat and Physical

Characterization

Survey of historic and theatrical contexts for several combat forms; basic training in nonviolent approaches to hand-to-hand combat, quarterstaff, broadsword and rapier. Introduction to character and emotional centers, acting with whole body, and movement and voice for period styles in acting (selected from Shakespeare, Classical Greek, Social Comedy and Farce).

Th 241 (S, Even or Demand)

3 hrs. cr. (Writing Intensive)

Acting I Development of individual's ability to express thought and emotion through effective use of the voice and body. Character analysis and creation revealed in exercises and scene work.

Th 242 (S, Even)

1 hr. cr.

Theatre Movement I

Historical development and implementation of theatrical movement. Exercises and assignments focus on the enhancement of nonverbal character interpretation through individual study and inclass application of movement, gestures and postures, including an assimilation of cultural influences, pantomime, masque and improvisation. Two 1 hr. labs per week.

Th 243 (F, Odd)

3 hrs. cr.

Musical Theatre

History, production and performance of musical theatre. Academic concentration on scenes from musicals with emphasis on acting, music, and dance techniques needed for musical productions, and focus upon representative musicals from the past fifty years and more specifically on the particular musical selected for production the spring semester of that school year. Course also offered under Mus 243.

Th 251 (F, Even)

1 hr. cr.

Audition Techniques For The Actor

Techniques of auditioning and interviewing in the theatre: selecting audition pieces, rehearsing and performing auditions. Instruction in preparing resumes and photographs for professions.

Th 298 (Demand)

3 hrs. cr.

Exploration in Theatre

Concentrated study on a variety of selected theatre topics. Each offering on a different subject. May be repeated, but same topic only once.

Th 311 (F, Even or Demand)

3 hrs. cr.

Stage Management

Fundamentals of stage management. Organization of call board, rehearsals and performances. Communication procedures between actors, director and designers. Calling the show. Prerequi-

Th 320 (S, Odd or Demand)

3 hrs. cr.

Stage Lighting

Lighting design approached artistically. The use of lighting for atmosphere, mood and emphasis. Lighting as applied to art, television, theatre and motion pictures. Prerequisites: Th 142 & 234.

Th 331 (F, Odd)

3 hrs. cr.

History of the Theatre (Writing Intensive) Theatre from primitive time through the Elizabethan period. Theatre and stage architecture, scene design, acting styles, theatre management and the culture surrounding the theatrical event. Analysis of their relationship to dramatic literature.

Th 332 (S, Even)

3 hrs. cr.

History of the Theatre (Writing Intensive) Plays and playwrights from the Jacobean period through the present day. The cultural background and evolution of the literature, physical theatre, staging, acting, audiences, and production practices.

Th 333 (Demand)

3 hrs. cr.

Eastern Theatre Tradition

The study of Eastern thought and culture in the discipline of theatre. All areas of design as well as acting and movement will be discussed.

Th 341 (F, Even or Demand)

3 hrs. cr.

Acting II

The dynamics of analysis, rehearsal and performance of scenes from contemporary and classic plays. Emphasis on the actor's relationship to the play and to other actors. Prerequisite: Th 241.

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Th 351 (F, Even or Demand)

3 hrs. cr.

Directing I

A comprehensive study of various problems confronting a stage director. Techniques and procedures for play selection, analysis and mounting a production. Scene directing. Prerequisite: Th 241.

Th 361 (F, Even)

3 hrs. cr.

History of Costume

Survey of the garments and fabrics worn in Western cultures from Ancient Greece through the 19th Century. (Recommended for Stage Costume Design.)

Th 362 (S, Even)

3 hrs. cr.

Stage Costume Design

Theory and practical aspects of costume design. Emphasis on non-verbal communication of theme, character and historical period through rendered costume designs. Recommended prerequisite is History of Costume. Prerequisite: Th 234.

Th 372 (S, Odd)

3 hrs. cr.

Directing II

Study of the skills and role of a director, casting, production administration and director-actor relationship. Experience and group evaluation in directing one-act plays before departmental or public audience. Prerequisite: Th 351.

Th 382 (S, Even or Demand)

Sound Design

Sound design approached artistically and practically. The use of sound effects and music for atmosphere, mood and emphasis. The research, recording, and playback methods of sound effects and music. Types of setup and the equipment used for sound as applied to theatre and live concerts. Prerequisite: Th 142

Th 422 (S, Odd)

3 hrs. cr.

3 hrs. cr.

Acting III

Study and presentation of selected historic performance styles, with particular attention to physical manners and speech. Emphasis on Shakespearean language and performance, farce and social comedy. Prerequisite: Th 341.

Th 431 (S, Odd)

3 hrs. cr.

Creative Dramatics

Methods and techniques of teaching dramatic improvisations for young people through the exploration of various art forms appropriate for dramatic presentation with an emphasis on storytelling.

Th 441 (F, Odd or Demand)

3 hrs. cr.

Stage Design

Scene design approached artistically. Focus on nonverbal communication between directors, designers, technicians and audience members. Prerequisites Th 142 and Th 234.

Th 450 (F, S)

1-3 hrs. cr.

Advanced Lab Practicum

Advanced practical implementation of techniques learned at beginning and intermediate levels of theatre production in the areas of directing and design. Play production for public performance. May be repeated for credit.

Th 455 (Demand)

1-3 hrs. cr.

Theatre Internships

Internship in theatre provides selected students on-the-job training and experience. The student is supervised and evaluated by a committee of faculty and by the supervisor at the facility where the student works. May be taken twice.

Th 498 (Demand)

3 hrs. cr.

Theatre Studies

Seminar in theatre for advanced students. Topic open. Approval of department head. Prerequisite: Advanced standing in major field with a GPA of 3.0. Enrollment must be approved by adviser, department head and school dean.

Th 499 (F, S)

1-3 hrs. cr.

Independent Study in Theatre

Structured by the adviser with approval of department head. Prerequisite: Advanced standing in major field with GPA of 3.0. Enrollment must be approved by adviser, department head and school dean.



Accounting
Business Education
Entrepreneurship
Finance & Economics
General Business
International Business
Management
Management Technology
Marketing

School of Business Administration

School Dean

James M. Gray
Matthews Hall 302, 417.625.9319

Degrees and Majors

Bachelor of Science in Business Administration

Accounting
Finance and Economics
General Business
International Business
Management
Marketing

Associate of Science

Accounting General Business

Concentration

Entrepreneurship

Bachelor of Science in Education (in cooperation with the School of Education)

Business Education as a single teaching field Business Education as one of two teaching fields

Bachelor of Science in Management Technology (in cooperation with the School of Technology)

General Business

Mission

The aim of all activity in the School of Business Administration is to assist students in the development of those intellectual, personal and professional attributes, which will prepare them to exercise responsibility in the complex business environment of the future. The faculty of the School of Business Administration recognizes that the pace of change in our society will quickly render vocationally oriented information and training obsolete and that the routine details and techniques of the world of work must be acquired through actual experience. The role of the School of Business Administration, therefore, is not to teach skill specific techniques or to offer training for the first job, but to provide the educational opportunity to allow students to develop familiarity with analysis, communications, leadership and interpersonal relations within the context of professional education for business administration.

Objectives

The objectives of the School of Business Administration are:

- to maintain a relevant curriculum which will provide the necessary managerial and administrative education for the School of Business Administration graduates;
- to prepare the School of Business Administration graduates for leadership roles by stimulating rigorous, imaginative, analytical and probing attitudes so that the graduates can express themselves competently and apply problemsolving techniques;
- to provide a faculty committed to teaching excellence, scholarship, and community service;
- to maintain facilities and equipment necessary to foster high quality education in the School of Business Administration;
- to interact with the business community to identify and serve their educational needs and to provide opportunity for professional growth for our students and faculty.

Student Organizations

The Accounting Club is open to accounting students seeking information regarding the profession and association with practicing accountants. Members are encouraged to attend monthly technical meetings and social functions. Members are also encouraged to become active in one or more of the area's professional accounting organizations.

Finance Investment Club is open to all majors seeking practical experience in portfolio management. Members actively manage the fund, which consists of stocks, bonds and mutual funds. Students are encouraged to attend monthly meetings and join the National Financial Management Association.

Omicron Delta Epsilon is the honorary economics fraternity open to juniors with at least 15 hours in economics or finance, and a 3.5 GPA in economics or finance courses.

Delta Epsilon Chi is open to all majors who are interested in learning the skills of developing marketing relationships. The club

facilitates members' professional development by introducing students to leading marketers, firms engaged in marketing, field trips, and through club activities. Students learn leadership skills by participating in social and club activities.

Phi Beta Lambda is based on a set of goals, which includes the development of competent and aggressive business leadership, creation of more interest and understanding of American business enterprise and participation in worthy undertakings for the improvement of business and citizenship. PBL is open to all business and computer science students and serves as a vehicle for professionals.

Missouri Southern Business Education Association is open to all business education majors. The organization is based on a set of goals to provide students information regarding the teaching profession and to prepare them for their career. Networking opportunities are made available for members by having teachers, school administrators, state department personnel, and various other professionals speak at the monthly meetings.

Students in Free Enterprise (SIFE) is a nonprofit corporation organized to promote the free enterprise system. The group participates in national competitions, finishing as high as second on two different occasions.

Society for Advancement of Management is a professional organization whose mission is to foster the interaction of students, faculty, and practicing managers in order to communicate the practice of professional management. The organization is open to all business majors, particularly management and marketing students, and offers its members a personal introduction to practicing managers in the local community.

The Society of Human Resource Management is based on a set of goals, which includes familiarizing students with human resource administration, industrial psychology, and labor relations. It is also designed to keep students up to date on new developments and to develop a nucleus of truly professional human resource for the future.

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Small Business Development Center

The School of Business Administration, in conjunction with the Small Business Administration, has formed a Small Business Development Center, which encompasses the following areas:

The International Trade and Quality Center

The mission of the International Trade and Quality Center in the School of Business is to:

- develop international consulting and other relevant services for four-state organizations and individuals who are or wish to be involved in international trade:
- assist area organizations in their quest for continuous improvement of products, processes and services to enhance quality while reducing cost;
- enhance the business curriculum by providing international and quality resources, internship opportunities and other appropriate assistance for faculty and students.

These objectives are met via assessment activities, research, educational programs, consulting, and serving as a clearinghouse for materials such as books, literature, tapes, and equipment.

The Southern Business and Economic Review

The Southern Business and Economic Review is published quarterly by the Small Business Development Center within the School of Business Administration. Each issue contains local economic indicators and articles of interest to local business people. The Bureau also maintains a data bank of economic statistics, which is available to local business people.

Business and Economic Lecture Series

The School of Business Administration sponsors an annual lecture series. Speakers of interest to both students and local business people appear each semester. Normally they speak both during the day and the evening. J. Peter Grace and William S. Rukeyser are two of the prominent speakers who have appeared in the series.

Management Development Institute

The School of Business Administration has established a Management Development Institute to help local businesses with their training and educational needs. The Center seeks to serve those needs by developing and/or coordinating various seminars for the local businesses.

Center for Entrepreneurship

The primary purpose of the Center for Entrepreneurship is to provide relevant and practical information concerning starting and running a small business. The Center also seeks to encourage new business start-ups by providing student consultants and faculty evaluation of business plans.

Business Core Requirements

All B.S.B.A. candidates must take the following "core" courses in addition to the courses required in their major (See course descriptions for prerequisites):

Business Administration Core Requirements

	Semester H	Ho	ur
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Econ 201	Prin of Economics-Macro	3	
Econ 202	Prin of Economics-Micro	3	
Econ 350	Financial Management	3	
GB 301	Legal Environment of		
	Business I	3	
GB 320	Business Comm (WI)	3	
GB 321	Business Statistics I	3	
MM 237	Using Info Systems	3	
MM 300	Prin of Marketing	3	
MM 350	Prin of Management (WI)	3	
MM 452	Strategic Mgmt (WI)	3	
Advanced E	Business Elective*	3	
Total Busin	ness Core		3

*Must be selected in consultation with adviser from 300 or 400 level courses in School of Business Administration. May not be "double counted" as part of major requirements. Mathematics - All candidates for the B.S.B.A. degree must complete Mathematics 130 or higher (Finite Mathematics 131 recommended) as their Core Curriculum mathematics course.

Minors

(Accounting, Finance/Economics, General Business, International Business, Management, and Marketing) for non-BSBA degree candidates.

Minor in Accounting (Non-BSBA degree candidates) Required:

Acct 312	Intermediate Accounting I	3
Acct 375	Tax Accounting I	3
GB 301	Legal Environment	
	of Business I	3
Econ 350	Financial Management	3
Upper-level	accounting electives	6

Choose o	ne:
Acct 310	Cost Accounting
Acct 325	Managerial Accounting
Total for I	Minor (Accounting)

3

21

Minor in Finance/Economics (Non-BSBA degree candidates)

Acct 201	Prin of Accounting I	3
Econ 201	Prin of Economics-Macro)
OR		
Econ 180	American Econ System	3
Econ 202	Prin of Economics-Micro	3
Econ 300	Money and Banking	3
Choose thi	ree:	9
Acct 202	Prin of Accounting II	
Econ 330	Prin of Insurance	
Econ 350	Financial Management	
Econ 401	Microeconomic Analysis	
Econ 402	Macroeconomic Analysis	
Econ 411	Investments	
Econ 420	Security Analysis	
Econ 450	Financial Strategy	
Total for M	inor (Finance/Economic	s) 2

Minor in General Business (Non-BSBA degree candidates)

1	. 409.00 04.14.44.00)	
Acct 201	Prin of Accounting I	3
Acct 202	Prin of Accounting II	3
Econ 202	Prin of Economics-Micro*	3
Econ 350	Financial Management	3
MM 237	Using Info Systems	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3

*Econ 201 should be taken as a core curriculum requirement.

Total for Minor (General Business) 21

Minor in International Business (Non-BSBA degree candidates) Prerequisites: 9

1)

Econ 180	American Economic System
MM 300	Principles of Marketing
MM 350	Principles of Management (W
Required:	9
IB 310	International Business
IB 400	International Marketing
IB 410	International Management
Choose or	ne: 3
IB 420	International Accounting
IB 430	International Corporate
	Finance
IB 491	Intership in International
	Business
IB 498	Special Topics in
	International Business

Independent Study in

International Business

IB 499

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IntS 302	World Environmental Issue	S
IntS 304	Comparative Political	
	Economy	
IntS 305	International Techno-Trend	S
Foreigh L	anguage	
Other Inte	ernational Courses*	
Total for	Minor	
(Internati	ional Business)	2
*With the	approval of the course instruc	cto
and the D	ean of School of Business	
Administr	ation.	

Minor in Management			
(Non-BSBA degree candidates)			
Choose two:			
Acct 201	Prin of Accounting 1		
	D: (F : 14		

Econ 201	Prin of Economics-Macr	0
Econ 202	Prin of Economics-Micro)
GB 320	Business Comm (WI)	
GB 321	Business Statistics I	
Required		
MM 350	Prin of Management (WI)	3
Choose for	our:	12
MM 337	Mgmt Information System	S
MM 352	Human Resource Mgmt	
MM 354	Quality Mgmt	
MM 411	Labor and Employment	
	Law	
MM 431	Operations Mgmt	
MM 441	Organizational Behavior	
MM 450	The Psy of HRM	

Minor in Marketing (Non-BSBA degree candidates) Required:

Total for Minor (Management)

Econ 202	Prin of Economics-Micro	3	
Choose one:			
Acct 201	Prin of Accounting I		
GB 320	Business Comm (WI)		
GB 321	Business Statistics I		
MM 350	Prin of Management (WI)		
Danisland			

3

12

21

MM 491

GB 302

OD OL I	Dadiiiood Clatiotico i		
MM 350	Prin of Management (W		
Required:			
MM 300	Prin of Marketing		
Choose t	four:		
MM 312	Retailing		
MM 321	Salesmanship		
MM 401	Promotional Strategy		
MM 405	Internet Marketing		
MM 412	Marketing Managemen		
MM 432	Consumer Behavior		
MM 470	Marketing Research		

Total for Minor (Marketing)

Minors

(Accounting, E-Business, Finance/Economics, Human Resource Management, Multimedia, and Quality Management) for BSBA degree candidates.

Minor in Accounting (BSBA degree candidate) Required:

Acct 312	Intermediate Accounting I	3
Acct 375	Tax Accounting I	3
Acct 310	Cost Accounting	3
Upper-lev	el accounting electives	9
Total for Minor (Accounting)		18

E-Business Minor

(BSBA degree candidate) Required:

CIS 315	Computer Networks I	3
MM 380	Database Marketing	3
MM 405	Internet Marketing	3
MM 498	Seminar in Mktg/Mgmt	3
Choose tw	0:	6
MM 337	Management Info System	ns
MM 340	Principles of Transportati	on
MM 407	Internet Promotion	
Acct 419	Accounting Info Systems	
Total for M	linor (E-Business)	18

Minor in Finance/Economics (BSBA degree candidate) Required:

Econ 300	Money and Banking	3
Econ 411	Investments	3
Econ 401	Microeconomic Analysis	
OR		
Econ 402	Macroeconomic Analysis	
OR		
Econ 450	Financial Strategy	3
Upper level	Econ/Finance electives	9
Total for M	inor (Finance/Economic	s) 18

Minor in Human Resource Management (BSBA degree candidate) Required:

Required:		
MM 350	Principles of Management	3
MM 352	Human Resource Mgmt	3
MM 411	Labor & Employment Law	3
Choose thi	ree:	9
MM 354	Quality Management	
MM 441	Organizational Behavior	
MM 450	Psy of Human Res Mgmt	

Internship in Mktng/Mgmt

Legal Environment of

Business II				
Total for	Minor	(Human	Res	Mamt

Minor in Multimedia (BSBA degree candidate) Required:

Comp 110 Programming I

MM 405

Total for M	linor (Multimedia)	18
MM 432	Consumer Behavior	
MM 401	Promotional Strategy	
MM 337	Mgmt Info Systems	
Choose tw	o**:	6
Comm101	Intro to Human Comm	3
Art 101	Basic Design I	3
Comp 110	i rogiammig i	-

Internet Marketing

3

**Other courses may be substituted with permission of adviser.

Minor in Quality Management (BSBA degree candidate) Required:

Acct 201	Prin of Accounting I	3
MM 350	Prin of Management (WI)	3
MM 354	Quality Management	3
GB 405	Statistical Quality Control	3
Choose tw	o:	6
Acct 325	Managerial Accounting	
GB 321	Business Statistics I	
GB 322	Business Statistics II	
MM 352	Human Resource Mgmt	
MM 431	Operations Management	
Acct 310	Cost Accounting	
Total for M	inor (QM)	

Accounting

Matthews Hall 309D, 417.625.9607

Faculty Comstock, Huffman, Roark, Shaver, D. Smith, J. Smith

The B.S.B.A. accounting major course of study is designed to prepare the student to enter any area of the accounting profession, to successfully complete the Certified Public Accountant or other professional certification examination and to enter graduate school.

Prospective accounting majors should take note of the requirements for entry into the profession. The State of Missouri requires 150 hours of college credit, including an undergraduate degree, before a candidate will be allowed to sit for the Certified Public

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Accountant examination. Arkansas, Oklahoma and Kansas, along with more than 40 other states, have similar requirements. The American Institute of Certified Public Accountants requires new members to have 150 semester hours of college credit in order to join. Accounting majors desiring to meet this requirement should note the "150hour" recommendations at the end of the B.S.B.A. suggested order of study or plan to attend graduate school (see your adviser).

The A.S. accounting program of study is designed to prepare the student for bookkeeping tasks, which are a part of the accounting function. Graduates of this program usually serve in entry-level positions in accounting firms or private businesses.

A minor in accounting for both BSBA and non-BSBA degree candidates is also offered.

Associate of Science with a Concentration in Accounting

Semester Hours Core Requirements (p. 34) 25-26 **Accounting Concentration** 36 Acct 201 Prin of Accounting I 3 Acct 202 Prin of Accounting II 3 Acct 312 Intermediate 3 Accounting I Acct 322 Intermediate 3 Accounting II 3 Acct 375 Tax Accounting I GB 301 Legal Environment of Business I 3 GB 320 Business 3 Communications (WI) Econ 201 Prin of Economics-Macro 3 Econ 202 Prin of Economics-Micro 3 3 MM 237 Using Info Systems MM 350 Prin of Management (WI) 3

Elective selected from:

Business Elective

GB 302

Total

Acct 325 Managerial Accounting

Legal Environment of Business II GB 321 Business Statistics I

Bachelor of Science in **Business Administration with** an Emphasis in Accounting

Semester Hours Core Requirements (p. 33) 51 39 Business Core (p. 139) 24 **Accounting Major** Acct 310 Cost Accounting 3 Acct 312 Intermediate Accounting I 3 Acct 322 Intermediate Accounting II 3 Acct 332 Intermediate Accounting III 3 Acct 375 Tax Accounting I Acct 402 Advanced Accounting 3 Acct 411 Auditing 3 Upper-level Accounting Elective 3 (must be chosen with adviser approval) Internships, independent studies and VITA will not fulfill this requirement. **Electives** 10

Total 124

The following courses are recommended as electives for accounting majors. Many schools require these classes before a student may be admitted to graduate study.

Business Statistics II	3
Calculus for Mgmt &	
Social Sciences	3
Operations Management	3
	Calculus for Mgmt & Social Sciences

Suggested Order of Study

Bachelor of Science in **Business Administration** Major Code 0502 **Accounting Emphasis**

Freshman Year 1st Semester

3

64-65

Course	Н	ours
CORE	[Eng 101 Comp I]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc]	3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
		16

2nd Semester	2nd	Semester
--------------	-----	----------

CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15

Sophomore		
1st Semester		
Acct 201	Prin of Accounting I	3
CORE	[Econ 201 Econ-Macro]	3
MM 237	Using Info Systems	3
CORE	[Fine Arts (Art 110, Mus 110	
	or Th 110)]	3
CORE	[Hist 110 American History]	3
		15
2nd Semeste	er	
A 1 000	D (A	0

Acct 202	Prin of Accounting II	3
Econ 202	Prin of Econ-Micro	3
CORE	[Literature (Eng 261, 262,	
	271, 272, 281 or 282)]	3
CORE	[Hist 120 American History]	3
Elective		3
		15

3

3

3 3

3

15

Intermediate Accounting I Acct 375 Tax Accounting I GB 301 Legal Envir of Bus I GB 321 Business Statistics I MM 350 Prin of Management (WI)

Junior Year

Acct 312

1st Semester

2nd Semeste	er	
Acct 310	Cost Accounting	3
Acct 322	Intermediate Accounting II	3
GB 320	Business Comm (WI)	3
MM 300	Prin of Marketing	3
Elective		3
		15

Senior Year		
1st Semester		
Acct 332	Intermediate Accounting III	3
Acct 411	Auditing	3
Econ 350	Financial Management	3
CORE	[International Cultural	
	Studies] (IB 420 Intern'l Acct	
	strongly recommended)	3
CORE	[Humanities & Fine Arts	
	Elective] (See Core	
	Requirements, page 41)	3
Upper-level E	Business Elective	3
	1	8

2nd Semest	er	
Acct 402	Advanced Accounting	3
Upper-level	Accounting Elective (Must be	
	selected with adviser approv	al.
	Internships, independent stu	die
	and VITA will not fulfill this re) -
	quirement.)	3
MM 452	Strategic Management (WI)	3
Electives		6
		15

150-Hour Recommendations

Accounting courses that are helpful in passing the CPA examination include Tax Accounting II, Accounting Information Systems, Governmental and Nonprofit Accounting, Advanced Cost Accounting, and Advanced Auditing. Note that while the B.S.B.A. requires 24 hours of upper-

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level accounting courses to graduate, Missouri law requires 27 upper-level hours to sit for the CPA examination.

Beyond additional accounting courses, the student may find it helpful to concentrate any remaining hours in a single area such as finance, computer science, communications, a foreign language, total quality management or similar pursuits.

Associate of Science Major Code 5002 **Accounting Concentration**

Freshman Year

1st Semester		
Acct 201	Prin of Accounting I	3
	0	3
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 or Hist 120]	3
CORE	[Math 30 or higher]	3
CORE	[Kine 103 Lifetime Wellness] 2
Business Ele	ctive	3
		17

2	ia Semeste	er	
A	cct 202	Prin of Accounting II	3
C	ORE	[Psy 100 or Soc 110]	3
C	ORE	[Comm 100 Oral Comm]	3
C	ORE	[Art 110, Mus 110, Th 110,	
		Literature or Phil 201]	3
G	B 320	Business Comm (WI)	3
C	ORE	[Kine 101 Physical Activity]	1
			16

Sophomore Year

1st Semeste	1	
Acct 312	Intermediate Accounting I	3
Acct 375	Tax Accounting I	3
MM 237	Using Information Systems	3
CORE	[Bio 101 or Phys 100]	4-5
CORE	[Econ 201 Econ-Macro]	3
	16	6-17

2nd Semester		
Acct 322	Intermediate Acct II	3
GB 301	Legal Environment of Bus I	3
Econ 202	Prin of Econ-Micro	3
MM 350	Prin of Management (WI)	3
Business Elective (Acct 325, GB 302,		
	GB 321)	3
Missouri Constitution Requirement		
	See pg. 35	3
		18

For additional information contact:

Dr. James Shaver

Office: Matthews Hall 309D Phone: 417.625.9607

E-mail: shaver-j@mail.mssc.edu

Course Descriptions

Acct 201 (F, S)

3 hrs. cr.

Principles of Accounting I

An introduction to accounting as an information communication function that supports economic decision-making. The topics covered should help students to understand financial statements and their preparation, the accounting cycle, and basic accounting for current assets. Prerequisite or corequisite: Math 130 or 131.

Acct 202 (F, S)

3 hrs. cr.

Principles of Accounting II

Continued development of the understanding of accounting as a critical tool of business communication. Emphasis is on non-current assets, present value concepts, investments, stockholders' equity, and the statement of cash flows. Prerequisite: Acct 201

Acct 310 (S)

3 hrs. cr.

Cost Accounting

Study of accounting cost systems providing information generation for managerial planning and control. Special emphasis is placed on Quality Management as applied to industrial and service enterprises. Prerequisites: Acct 202, MM 237, GB 321.

Acct 312 (F, S)

3 hrs. cr.

Intermediate Accounting I

First of three courses that comprehensively cover financial accounting for business enterprises (with emphasis on the corporation). The course is organized in these areas: (1) environment of financial accounting and basic theory underlying financial accounting; (2) accounting process from transaction analysis to financial statements; (3) statement analysis and revenue recognition, and (4) accounting for certain assets. Prerequisites: Acct 202, MM 237 (or co-requisite).

Acct 322 (F, S)

3 hrs. cr.

Intermediate Accounting II

Second of three courses that comprehensively cover financial accounting for business enterprises (with emphasis on the corporation). Emphasizes topics in areas of: (1) accounting for assets and liabilities and (2) shareholders' equity. Prerequisite: Acct 312.

Acct 325 (F, S)

3 hrs. cr.

Managerial Accounting

Use of accounting as a tool for the process of planning, controlling and decision-making, Emphasis on where accounting data is obtained, what kind of information is needed and how it is used in the management process. This course may not be taken by the accounting major to satisfy accounting core requirements. Prerequisite: Acct 202.

Acct 332 (F. S)

3 hrs. cr.

Intermediate Accounting III

Third of three courses that comprehensively cover financial accounting concepts and standards for business enterprises (with emphasis on the corporation). Coverage includes (1) earnings per share, (2) investments, (3) income taxes, (4) post-retirement benefits, (5) leases, (6) cash flows, and (7) accounting changes and errors. Prerequisite: Acct 322.

Acct 375 (F)

3 hrs. cr.

Tax Accounting I

Procedures for reporting federal income taxes with emphasis on income and deductions for individuals. Practice in preparing federal income tax returns. Prerequisite: Acct 202 or permission/and MM 237 (or co-requisite).

Acct 402 (F, S)

3 hrs. cr.

Advanced Accounting

Application of accounting principles of business combinations, consolidated financial statements, foreign currency transactions, international accounting and the work of the International Accounting Standards Committee. Prerequisite: Acct 322.

Acct 408 (S)

3 hrs. cr.

Tax Accounting II

Procedures for reporting federal income taxes with emphasis on corporations, partnerships, estates and trusts. Practice in preparing federal income tax returns of these business entities. Prerequisite: Acct 375 or permission.

Acct 411 (F, S)

3 hrs. cr.

Auditing

Overview of the certified public accounting profession with special attention to auditing standards, professional ethics, the legal liability inherent in the attest function, the study and evaluation of internal control, the nature of evidence, the growing use of statistical sampling, and performing an audit. Prerequisite: Acct 322.

Acct 419 (F)

3 hrs. cr

Accounting Information Systems

A comprehensive study of the objectives, uses, evaluation and design of accounting information systems. The course is for students who will soon be assuming the responsibilities of professional accountants and need to know how accounting information systems function. Prerequisites: Acct 202 and MM 237 or equivalent.

Acct 421 (F)

3 hrs. cr.

Governmental and Nonprofit Accounting

Study of accounting principles, standards and procedures that apply to governmental entities. Primary emphasis is accounting for municipalities. Provides background for studying accounting systems of colleges and universities, hospitals and other nonprofit entities. Prerequisite: Acct 322.

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Acct 422 (Demand)

3 hrs. cr.

Advanced Cost Accounting

Advanced study in decision models and cost information, system choice, strategy and management control. Special emphasis on Quality Management and time related management control initiatives. Prerequisite: Acct 310.

Acct 431 (S)

3 hrs. cr.

Advanced Auditing

An integration of auditing concepts from Auditing I emphasizing specific applications of auditing principles and concepts. In addition, other specialized audit reports are examined including prospective financial statements and compilation and review engagements. Examination of internal and operational audits as well as special topics in auditing. Prerequisite: Acct 411.

Acct 491 (Demand)

1-6 hrs. cr.

Internship in Accounting

An internship for senior accounting students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.00 GPA and department approval.

Acct 498 (Demand)

Seminar in Accounting

For upper division accounting or related majors with topics to be announced each time the course is offered. Prerequisite: Senior standing or permission.

Acct 499 (Demand)

1-3 hrs. cr.

Independent Study in Accounting

Individually directed readings, research and discussion in selected areas of accounting for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisite: Permission and a minimum 3.0 GPA.

Business Education

Matthews Hall 307B, 417,625,9603

Faculty Block, Rusley

Bachelor of Science in Education (Business Major)

The B.S.E. business major course of study prepares graduates to teach business as either a single or dual field at the secondary level.

Business education majors must have a cumulative GPA of 2.75 in all course work and must maintain a cumulative GPA of 2.75 in their business courses.

Bachelor of Science in **Education with Business** as a Single Teaching Field (Plan B)

Semester Hours					
Core Requirements (p. 33)					
	courses (p. 165)	41			
Business I	Major	42			
Acct 201	Prin of Accounting I	3			
Acct 202	Prin of Accounting II	3			
Econ 201	Prin of Economics-Macro	3			
Econ 202	Prin of Economics-Micro	3			
GB 110	Computer Formatting	3			
GB 301	Legal Environment				
	of Business I	3			
GB 312	Prin of Business Educ	3			
GB 320	Business Comm (WI)	3			
MM 237	Using Info Systems	3			
MM 300	Prin of Marketing	3			
MM 337	Management Information				
	Systems	3			
MM 350	Prin of Management (WI)	3			
MM 405	Internet Marketing	3			
	Business elective	3			
Total					

Students can graduate with 128 hours if Psy 100 and Econ 201 are taken to fulfill college core requirements.

Bachelor of Science in Education with Business as One of Two Teaching Fields (Plan A)

Semester Hours Core Curriculum (p. 33)

ourain (p. oo)		-		
Education courses (p. 165)				
Business Major				
Prin of Accounting I	3			
Prin of Accounting II	3			
Prin of Economics-Macro	3			
Computer Formatting	3			
Legal Environment of				
Business I	3			
Business Comm (WI)	3			
Using Info Systems	3			
Management Information				
Systems	3			
Internet Marketing	3			
Business elective	3			
	courses (p. 165) Major Prin of Accounting I Prin of Accounting II Prin of Economics-Macro Computer Formatting Legal Environment of Business I Business Comm (WI) Using Info Systems Management Information Systems Internet Marketing	courses (p. 165) Major Prin of Accounting I 3 Prin of Accounting II 3 Prin of Economics-Macro 3 Computer Formatting 3 Legal Environment of Business I 3 Business Comm (WI) 3 Using Info Systems 3 Management Information Systems 3 Internet Marketing 3		

Suggested Order of Study

Bachelor of Science

Major Code 9023

Plan B-Single Teaching Field **Business Education**

Freshman Year

1st Semeste		
Course		Hours
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. History]	3
CORE	[Art 110, Mus 110 or Th 1:	10]3
CORE	[Psy 100 Gen Psychology]	3
Educ 100	Into to Teacher Educ I	1
CORE	[Kine 103 Lifetime Wellnes	ss] 2
		15

2nd Samastar

Zilu Semeste		
CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Loc]	3
CORE	[Hist 120 or 320]	3
CORE	[Math 131 Finite Math]	3
GB 110	Computer Format (GB 105)	3
Educ 302	Exceptional Child	2
		7

Sophomore Year

1st Semester		
CORE	[Econ 201 Econ-Macro]	3
Acct 201	Prin of Acct I (Math 131)	3
CORE	[Bio 101 General Biology]	4
Educ 200	Into to Teacher Educ II	1
CORE	[Literature (Eng 261, 262,	
	271, 272, 281, 282)]	3
CORE	[Kine 101 Physical Activity]	1
Psy 310	Educational Psychology	2
		17

2nd Semester

Acct 202	Prin of Acct II (Acct 201)	3
Econ 202	Prin of Economics-Micro	3
MM 237	Using Info Systems	3
CORE	[Phys 100]	5
CORE	[Comm 100 or 103]	3
		17

Junior Year

1st Semester		
MM 405	Internet Marketing	3
GB 301	Legal Environment of Bus I	3
Educ 321	Microteaching, Secondary	2
Educ 329	Ped Theo, Methods & Prac	4
Educ 423	Classroom Management	2
Psy 301	Adolescent Psychology	3
		17
2nd Semeste	er Control	
CORE	[Humanities and Fine Arts]	3
	D ' ' '	0

CORE	[Humanities and Fine Arts]	3
	Business elective	3
GB 320	Bus Comm (WI) (Eng 102)	3
MM 300	Prin of Marketing (Econ 202)3
Educ 422	Content Area Literacy:	
	Secondary	2
		4 4

144 / Business Education, Finance & Economics

144 / Dusiness Luuc	aliun	, i ilialiu	C & LCUIIUIIIIC3				
Senior Year		GB 322	Business Statistics II	3	Su	ggested Order of Study	
1st Semester		Choose tv		6	3115	gyesten orner or stany	and the last
CORE [International Cultural Stu		Econ 411	Investments				
GB 312 Prin of Business Educ	3	Econ 420	Security Analysis		Bachelor	of Science	
MM 337 Management Info System		Econ 450	Financial Strategy		in Busine	ss Administration	
MM 350 Prin of Management (WI)	3	Econ 330	Principles of Insurance			le 0508, 0509, 0510	
EDUC 301 Computer Software in Edu		Econ 498	Seminar in Econ			and Economics Emphasi	9
	15	IB 430	International Corporate		i illance a	ina Economics Emphasi	3
and Compoter		10 430			Freshman	Voor	
2nd Semester Professional Semester			Finance	40	1st Semest		
	nn 2	Electives		16			Hours
Educ 336 Tchng Business, Seconda Educ 402 Foundation of Educ	2	Total		124	Course	[Eng 101 Comp 1]	Hours 3
Educ 402 Foundation of Educ Educ 432 Critical Issues in Educ	2				CORE	[Math 131 Finite Math]	3
Educ 462 Student Tchng Secondary					OR	[Matil 131.Fillite Matil]	
Psy 412 Measurement & Evaluation		Certified i	n Financial		CORE	[Math 130 College Algebra	1 3
rsy 412 Measurement & Evaluation	16	Managem	ent Concentration		CORE	[PSc 120 Gov't:U.S./Sta/Lo	
	10		uirements (p. 33)	51	CORE	[Bio 101 General Biology]	4
[Department Recommendations]			Core (p. 139)	39	CORE	[Kine 103 Lifetime Wellnes	
(Prerequisites)		Finance C		9	Psy 120	College Orientation	1
(rotoquiottoo)				-	1 59 120	John Grand Charles	16
For additional information contact:		GB 101	Intro Personal Fin Plann	ing			
Dr. Beverly Block		Econ 300	Money and Banking		2nd Semes	ter	
		Econ 411	Investments		CORE	[Eng 102 Comp II]	3
Office: Matthews Hall 307B		Required	CFM:	15	CORE	[Phys 100 Fund of Phys Sc	
Phone: 417.625.9603		Acct 325	Managerial Accounting	3	GB 101	Intro to Personal Fin Plannir	
E-mail: block-b@mail.mssc.edu		Econ 450	Financial Strategy	3	CORE	[Psy 100 or Soc 110]	3
		Choose th		9	CORE	[Kine 101 Physical Activity]	
		Acct 312	Intermediate Acct I	0	COME	[rano rorr nyolodi riolivity]	15
		Acct 322	Intermediate Acct II		Sophomor	e Year	
		Acct 375	Tax Accounting I		1st Semest		
		Econ 330	Principles of Insurance		Acct 201	Prin of Accounting I	3
SECTION OF SECTION		Econ 401	Microeconomic Analysis		CORE	[Econ 201 Prin of Econ-Macro	
Finance and		Econ 402	Macroeconomic Analysis	3	MM 237	Using Info Systems	3
i illalivv allu		Econ 420	Security Analysis		CORE	[Fine Arts (Art 110, Mus 11	10
Economics		MM 431	Operations Managemen	t		or Th 110)]	3
ECUIIOIIIICO		IB 430	International Corporate		CORE	[Hist 110 American History	1 3
		15 100	Finance				15
M 11-11 04 00 44 7 00 5 074		Electives	Tillatice	10			
Matthews Hall 310G, 417.625.971	9				2nd Semes	ster	
_		Total		124	Acct 202	Prin of Accounting II	3
Faculty Abrahams, La Near, N	ichols,				Econ 202	Prin of Econ-Micro	3
Rawlins, J. Smith					CORE	[Literature (Eng 261, 262,	
		Chartered	Financial			271, 272, 281 or 282)]	3
The B.S.B.A. finance and economic	s major	Analyst C	oncentration		CORE	[Hist 120 American History] 3
course of study is designed to prepare	e gradu-	Core Req	uirements (p. 33)	51	CORE	[Comm 100 Oral Comm]	3
ates for managerial positions in f			Core (p. 139)	39			15
institutions, corporate research, for		Finance C		9			
ing, government and other public		GB 101	Intro Personal Fin Plann		Junior Yea	r	
				ing	1st Semest	ter	
vate sector positions, as well as for	gradu-	Econ 300	Money and Banking		Econ 300	Money and Banking	3
ate study.		Econ 411	Investments		GB 321	Business Statistics I	3
		Required	CFA:	15	GB 301	Legal Environment of Bus	1 3
		Acct 312	Intermediate Acct I	3	MM 300	Prin of Marketing	3
Bachelor of Science in Bus	siness	Econ 420	Security Analysis	3	MM 350	Prin of Management (WI)	3
Administration with an Emp	haeie	Econ 450	Financial Strategy	3			15
		Choose to		6			
in Finance and Economics		Econ 401	Microeconomic Analysis		2nd Semes	ster	
					GB 320	Business Comm (WI)	3
Semeste	r Hours	Econ 402	Macroeconomic Analysis	5	Econ 350	Financial Management	3
Economics Concentration		GB 322	Business Statistics II		Econ 402	Macroeconomic Analysis	
Core Requirements (p. 33)	51	MM 431	Operations Managemen	t	OR		
Business Core (p. 139)	39	IB 430	International Corporate		Acct 325	Managerial Accounting	
Economics	18		Finance		OR		
		Electives		10	Acct 312	Intermediate Accounting I	3
Econ 300 Money and Banking	3	Total		124			
Fcon 401 Microeconomic Analys	15 3	· otui		167			

Microeconomic Analysis 3

Econ 402 Macroeconomic Analysis 3

Econ 401

Finance & Economics / 145

Advanced Business Elective (must be selected in consultation with faculty adviser from courses numbered 300 or above within the School of Business Administration) 3 **Electives** 3 15 Senior Year 1st Semester Econ 401 Microeconomic Analysis OR Advanced Finance/Economics Elective (must be selected in consultation with faculty adviser from courses numbered 300 or above) 3 Econ 411 Investments 3 Advanced Elective in Econ (selected in consultation with faculty adviser from courses numbered 300 or above) CORE [International Cultural Stu] 3 (IB 310 strongly recommended) CORE [Hum & Fine Arts Elective] (See Core Requirements, p. 33) Elective 2 17 2nd Semester Econ 402 Macroeconomic Analysis OR Econ 450 Financial Strategy 3 Econ 420 Security Analysis OR GB 322 3 **Business Statistics II** Advanced Electives in Econ (selected in consultation with faculty adviser from courses num-

For additional information contact:

bered 300 or above)

Strategic Management (WI)

3

16

Dr. Richard Rawlins

MM452

Office: Matthews Hall 310G Phone: 417.625.9716

E-mail: rawlins-r@mail.mssc.edu

Course Descriptions

Econ 180 (F, S) 3 hrs. cr. The American Economic System

A core course on the goals, organization and operation of the U.S. f°?nomy. Topics include: scarcity and choice; the role of profits, saving, investment, and competition as a pricing mechanism in the allocation of resources; the economic functions of government in Ü uding fiscal and monetary policy tools used for macroeconomic stabilization; limitations of the market system; other types of economic systems; and the rationale for international trade and the effects of trade barriers. Not for business majors or for those who have taken Econ 201.

Econ 201 (F, S) 3 hrs. cr. Principles of Economics (Macro)

A basic course that explains the organization, operation and goals of the U.S. economic system with emphasis on basic principles and concepts; measurement, determination and stabilization of national income; unemployment and inflation; the role of money and monetary policy; and current economic problems. Prerequisites: Math 130 or above.

Econ 202 (F, S) 3 hrs. cr. Principles of Economics (Micro)

A continuation of economic principles with emphasis on the theory of price determination and income distribution, with particular attention to the nature and application of those bearing on decision making within a household, firm, or industry; cost and revenue implications of various product and factor market structures; and international trade and finance. Prerequisites: Math 130 or above and Econ 201.

Econ 300 (F, S) 3 hrs. cr. Money and Banking

The nature, need, functions, role, creation and destruction of money and credit; financial institutions and their functions with special emphasis on the commercial banking system and the Federal Reserve system; introduction to monetary theory and policy; international aspects of money and monetary policy. Prerequisites: Econ 201.

Econ 330 (F) 3 hrs. cr. **Principles of Insurance**

Survey of the fundamentals o}; insurance including risk management, interpretation of policies, property insurance, liability insurance, health insurance and life insurance. Prerequisite: Econ 201 and 202.

Econ 350 (F, S) 3 hrs. cr. **Financial Management**

Study of the financial operating environment and financial analyses; risk and valuation, time value of money, capital budgeting, cost of capital and leverage, working capital management and dividend policy. Prerequisites: Econ 201 and 202, Acct 202, GB 321.

Econ 401 (F) 3 hrs. cr. Microeconomic Analysis

The price system and resource allocation through a system of markets and prices; price and output determination in perfect and imperfect markets; resource markets and income determination. Prerequisites: Econ 201 and 202.

Econ 402 (S) 3 hrs. cr. **Macroeconomic Analysis**

National income determination with various macroeconomic models; fiscal and monetary policy;

international linkages; consumption and investment; trade-offs between inflation and unemployment. Prerequisite: Econ 300.

Econ 411 (F) 3 hrs. cr.

Investments

Principles underlying investment analysis and policy; salient characteristics of governmental and corporate securities; policies of companies and investing institutions; relations of investment policy to money markets and business fluctuations; security price-making forces. Prerequisite: Econ 350.

Econ 420 (S) 3 hrs. cr. **Security Analysis**

A broad introduction to basic stock selection using "fundamental" analysis whereby "over" and "under" valued stocks are to be identified. The class will construct a common stock portfolio of 10 to 25 stocks. Other topics covered will include: basic schools of investment thought (EMH, fundamental, and technical) diversification, quality of earnings, and factors affecting equity ownership. Prerequisites: Econ 350 or permission.

Econ 450 (S) 3 hrs. cr. **Financial Strategy**

Financial planning, asset valuation, cost of capital, capital budgeting under capital constraints and risk, cash flow analysis, capital structure policy, dividend policy, leasing, mergers and acquisitions, LBOs, and international finance using a case study approach. Prerequisite: Econ 350.

Econ 491 (F, S) 1-12 hrs. cr. Internship in Finance and Economics

An internship for senior Finance/Economics students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval.

Econ 498 (Demand) 1-3 hrs. Special Topics in Economics

For upper-division students. Topics to be announced each time the course is offered. Examples of seminars offered in the past are: 498-Seminar in International Economics, 498-Seminar in Business Cycles, and 498-Seminar in Public Finance.

Econ 499 (Demand) 1-3 hrs. cr. Independent Study in Finance/Economics

Individually directed readings, research and discussion in selected areas of Finance/Economics for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA.

Entrepreneurship

Faculty Bradshaw, Krudwig, Robinson

A concentration in entrepreneurship is offered for all students, regardless of major, to enhance success of small business startups. This concentration prepares the students to start their own businesses. A Certificate of Entrepreneurship will be issued to students who successfully complete the fifteen entrepreneurship courses.

Requirements for a Concentration

in Entrep	reneurship:	
	Semester	Hour
Ent 201	Developing a	
	Business Plan	1
Ent 202	Business Opportunities	1
Ent 203	Legal Aspects for	
	Entrepreneurs	1
Ent 204	Initial Capitalization	1
Ent 205	Cash Flow Analysis	1
Ent 206	Microcomputer	
	Applications	1
Ent 207	Accounting Procedures	1
Ent 208	Accounting Records	1
Ent 209	Accounting Taxation	1
Ent 210	The Management Proces	SS
	for Entrepreneurs	1
Ent 211	Strategic Planning &	
	Organizing	1
Ent 212	Human Resource Issues	S
	For Entrepreneurs	1
Ent 213	Promotion	1
Ent 214	Pricing	1
Ent 215	Merchandise/Inventory	
	Planning	1

For additional information contact:

Karen Bradshaw

Office: Matthews Hall 107B Phone: 417.625.9520

E-mail: bradshaw-k@mail.mssc.edu

Course Descriptions

1 hr. cr.

ENT 201 (F) **Developing a Business Plan**

This course focuses on the proper techniques to use in preparing and presenting a business plan, which will provide the necessary goals and directions for creating, managing and gaining profit from a business.

ENT 202 (F) 1 hr. cr. **Business Opportunities**

A course concentrating on analyzing the feasibility of starting or expanding a business venture. Topics include developing strategies for various types of existing business ventures and new startups, product positioning, the purchase of existing businesses, franchising, and determining and creating a competitive advantage for products and services.

ENT 203 (F) 1 hr. cr. **Legal Aspects for Entrepreneurs**

This course will cover the formation, advantages and disadvantages of corporations, partnerships, LLCs, and sole proprietorships as different forms of legal ownership for new businesses. Topics include business licenses, business insurance, government regulations, government support systems, liability, and ethical issues.

ENT 204 (S) 1 hr. cr. **Initial Capitalization**

A course to help prepare the entrepreneur for presenting their "initial capital" needs to the appropriate audience in obtaining financing for their new business.

ENT 205 (S) 1 hr. cr. **Cash Flow Analysis**

A course for preparing analysis on a new or existing business in the areas of business operating cycle, quality indicators, financial ratios, permanent working capital, and cash flow analysis.

ENT 206 (S) 1 hr. cr. **Microcomputer Applications**

A course to prepare the entrepreneur for applying

computerized accounting technology to a small business situation. QuickBooks for Windows will be used for the course.

ENT 207 (F) 1 hr. cr.

Accounting Procedures

15

A course to teach entrepreneurs accounting concepts so they will have background knowledge of the how and why of financial statement preparation as related to managing small businesses.

ENT 208 (F) 1 hr. cr.

Accounting Records

A course to acquaint entrepreneurs with the various accounting and financial records needed to successfully operate a small business.

ENT 209 (F)

1 hr. cr.

1 hr. cr.

Accounting Taxation

A course to acquaint entrepreneurs with the tax consequences of the different forms of business organization and the documents necessary to get a business "legal" with authorities for "tax" purposes.

ENT 210 (S) The Management Process for **Entrepreneurs**

A course to acquaint the entrepreneur with basic theories and principles of management as they relate to an entrepreneurial and newly formed business. Using E-commerce in traditional companies will be evaluated. Small business survival by gaining the competitive edge will be stressed.

1 hr. cr ENT 211 (S) Strategic Planning & Organizing

A course to help small business people develop and implement management strategies for efficiency, and to learn and practice the important functions of planning and organizing a small business. Topics include the balanced scorecard concept, analytical tools, methods of managing entrepreneurial firms, and the formation of strategy for E-commerce trends and the application of this strategy.

ENT 212 (S) 1 hr. cr. **Human Resource Issues** for Entrepreneurs

This course is designed to help the students and owners of small businesses improve their human relations skills needed in running a business. The discovering of one's management style and the development of new management skills will be covered.

ENT 213 (S) 1 hr. cr. Promotion

This course will introduce the entrepreneur to the complexities of advertising for smaller businesses. The entrepreneur will learn to develop the marketing goals of a business and select a marketing mix to communicate those ideas to the marketplace. Utilizing the Internet in promotional strategies will be covered.

ENT 214 (S) 1 hr. cr. Pricing

This course will concentrate on the pricing of products for a small business for profit, and the development of pricing strategies and sales promotion techniques, that will allow businesses to attract customers for the buying process. The emphasis will be on pricing strategies for goods and/or services.

ENT 215 (S) Merchandise/Inventory Planning

This course will acquaint the entrepreneur with various techniques of inventory/merchandise planning and controls. It also will also focus on merchandising strategies, salesmanship, location analysis, and the purchasing function.

General Business / 147

General Business

Matthews Hall 309K, 417.625.9671

Faculty Block, Bradshaw, Cragin, Gray, Johnson, Kleindl, Marion, Miller, Rawlins, Rusley, J. Smith, Tiede, Vernon

The B.S.B.A. general business major course of study is intended to give the broadest possible background to the graduate and to prepare the graduate for managerial positions in the public and private sectors. The A.S. degree program prepares the graduate for first line supervisory and managerial duties.

Bachelor of Science in Business Administration with an Emphasis in General Business

	Semester I	Hours
Core Requ	uirements (p. 33)	51
Business	Core (p. 139)	39
General B	usiness Emphasis:	18
Acct 325	Managerial Acct	3
Econ	(selected from 300, 330,	
	401, 402, 411, GB 322,	
	INTS 304)	3
MM	(selected from 352, 354,	
	410, 411, 412, 431, 441,	
	450, GB 405)	3
MM	(selected from 312, 321,	
	401, 405, 412, 432, 470)	3
MM 337	Management Information	
	Systems	3
Advanced	Business Elective (must b	е
	selected with adviser	
	consultation & approval)	3
Electives		16
Total		124

Associate of Science in General Business

	Semester	Hours
Core Requ	uirements (p. 34)	25-26
General B	usiness Concentration	27
Acct 201	Prin of Accounting I	3
Acct 202	Prin of Accounting II	3
Econ 201	Prin of Economics-Macro	3
Econ 202	Prin of Economics-Micro	3
GB 301	Legal Environment	
	of Business I	3

GB 302	Legal Environment	
	of Business II	3
MM 237	Using Info Systems	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3
Business	Electives (must be select	ed
with appro	val of faculty adviser)	12
Total		64-65

Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0501 General Business Emphasis

Freshman 1st Semest			
Course		Но	ours
CORE	[Eng 101 Comp I]		3
CORE	[Math 131 Finite Math]		3
CORE	[PSc 120 Gov't: U.S./Sta/Loc	c]	3
CORE	[Bio 101 General Biology]		4
CORE	[Kine 103 Lifetime Wellness]		2
Psy 120	College Orientation		1
		1	6
2nd Semes			
	[F 400 O II]		

2nd Semes	ster	
CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15

Sophomo		
1st Semes	ster	
Acct 201	Prin of Acct I	3
CORE	[Econ 201 Economics-Micro]	3
MM 237	Using Info Systems	3
CORE	[Fine Arts (Art 110, Mus 110	
	or Th 110)]	3
CORE	[Hist 110 American History]	3
		15
2nd Seme	ster	

2nd Semes	ster	
Acct 202	Prin of Acct II	3
Econ 202	Economics-Micro	3
GB 321	Business Statistics I	3
CORE	[Literature (Eng 261, 262,	
	271, 272, 281 or 282)]	3
CORE	[Hist 120 American History]	3
		15

Junior Ye	ar	
1st Semes	ster	
Acct 325	Managerial Acct	3
GB 301	Legal Environment of Bus I	3
GB 320	Business Comm (WI)	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3
		15

2nd Semes	ster	
Advanced	Elective in Finance/Econ (mu	st be
	selected from Econ 300, 330	0
	401,402,411, GB 322, or	
	IntS 304)	3
Advanced	Elective in Management (mus	st
	be selected from MM 352, 3	54,
	410, 412, 431, or 441)	3
Econ 350	Financial Management I	3
Advanced	Business Elective (must be	
	selected in consultation with	
	adviser from courses	
	numbered 300 or above with	nin
	the School of Business	
	Administration)	3
MM 337	Management Info Systems	3
Electives		3
		18

ar	
ster	
Elective in Marketing (must be	9
selected from MM 312,321,	
401,405,412,432 or 470)	3
[Intl. Cultural Studies]	3
(IB 310 Strongly recommend	ed)
[Humanities and Fine Arts]	
(See Core Requirements,	
p. 35)	3
	6
	15
	ster Elective in Marketing (must be selected from MM 312,321, 401,405,412,432 or 470) [Intl. Cultural Studies] (IB 310 Strongly recommend [Humanities and Fine Arts] (See Core Requirements,

2nd Seme	ster	
Advanced	Business Elective (must be	
	selected in consultation with	
	faculty adviser from courses	
	numbered 300 or above with	in
	the School of Business	
	Administration)	3
MM 452	Strategic Management (WI)	3
Electives		9
		15

Associate of Science Major Code 5001 General Business Concentration

Freshman	Year	
1st Semest	ter	
Acct 201	Prin of Accounting I	3
CORE	[Eng 101 Comp I]	3
MM 237	Using Info Systems	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Math (30 or above)]	3
CORE	[Kine 103 Lifetime Wellness]	2
		17
2nd Semes	ster	
Acct 202	Prin of Accounting II	3
CORE	[Econ 201 Economics-Macro]	3
CORE	[Hist 110 or Hist 120]	3
CORE	[Comm 100 Oral Comm]	3

[Art 110, Mus 110, Th 110, Literature or Phil 201)]

[Kine 101 Physical Activity]

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CORE

CORE

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Sophomore Year

1st Semester

Business Electives (must be selected with adviser approval) 6 GB 301 Legal Environment of Bus I 3 3

Econ 202 Prin of Economics-Micro MM 350 Prin of Management (WI)

2nd Semester

Legal Environment of Bus II 3 GB 302 MM 300 Prin of Marketing [Missouri Constitution CORE Requirement - see pg. 37] 3

Business Electives (must be selected

with adviser approval) 3 CORE [Bio 101 or Phys 100] 4-5

16-17

[Department Recommendations]

For additional information contact:

Dr. Alex Vernon

Office: Matthews Hall 309K

Phone: 417.625.9671

E-mail: vernon-a@mail.mssc.edu

Course Descriptions

GB 101 (F, S)

3 hrs. cr.

Introduction to Personal **Financial Planning**

Introduction to the concepts and tools necessary for effective management of personal financial health. Includes goal-setting, investment decisions, obtaining and using credit, insurance, and retirement planning. Also provides exposure to various business careers and to comparable decisions that business owners and managers make.

GB 105 (F)

3 hrs. cr.

Computer Keyboarding

Learn or review the proper techniques for alphabet and number keys. Letter styles, proper report formats, simple tabulations, and employment communications are taught using basic Word 7.0 commands. Speed and accuracy in editing are stressed so the student will acquire a personally useful skill.

GB 110 (F. S)

3 hrs. cr.

Computer Formatting

Covers all styles of business letters, reports, memos, and tables. Some of the advanced Word 7.0 commands used are: headers and footers, find and replace, report styles, advanced table features, templates, labels, mail merge, and sort. Prerequisite: GB 105 or a good knowledge of the keyboard and familiarity with word processing.

GB 112 (F, S)

3

15

3 hrs. cr.

Computer Document Production

Production of all types of letters, reports, business forms, legal forms, tables, and desktop publishing using Word 7.0. Realistic, integrated office projects are used. Prerequisite: GB 110 or equivalent.

GB 301 (F, S) 3 hrs. cr. Legal Environment of Business I

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Includes the court systems and procedures, contracts, personal property and bailments, sales and commercial paper. Special emphasis on Missouri case-law and statutes. Lectures supported by actual case decisions and case digests.

GB 302 (F, S) 3 hrs. cr. Legal Environment of Business II

Common law principles and statutes, particularly the Uniform Commercial Code, as they relate to American business. Brief overview of criminal law and tort law, government control and regulation, secured transactions, insurance, bankruptcy, agency and employment, partnerships, corporations, real property and estates. Prerequisite: Junior standing.

3 hrs. cr. GB 312 (F) **Principles of Business Education**

Fundamentals of business education including curriculum, trends, equipment, materials, professional organizations and vocational programs. For business education majors only. (To be taken in fall prior to student teaching.)

GB 320 (F, S)

3 hrs. cr.

Business

Communication (Writing Intensive) Principles of writing effective letters, memos and reports to solve real-world situations. Emphasis on contemporary issues and the employment process. Prerequisites: 6 hrs. English Comp or permission of instructor.

GB 321 (F, S) 3 hrs. cr.

Business Statistics I Methods of collection, analysis, interpretation

and presentation of data related to business. Topics include frequency distribution, measures of central tendency and dispersion, regression and correlation analysis, probability concepts, sampling distributions, estimation procedures and hypothesis testing. Computer statistical packages will be utilized in analysis and application of problems. Prerequisite: Math 130, 131 or higher, MM 237.

GB 322 (S) **Business Statistics II** 3 hrs. cr.

Methods of statistical analysis relating to business decision-making and research in business and economics. Emphasizes sampling theory, parametric tests of hypotheses, analysis of variance, multiple regression, non-parametric tests of hypotheses, and other selected statistical

techniques. Computer statistical packages (and spreadsheet packages) will be utilized in analysis of problems. Prerequisite: GB 321.

GB 361 (F, S)

1 hr. cr.

Personal Development

Identifying interests and abilities in relation to prospective jobs and establishing short-term and long-term career goals. Developing job search skills. Demonstrating dining etiquette and increasing time management and assertiveness skills. Prerequisites: 6 hrs. English Composition or permission of instructor.

GB 362 (F, S)

1 hr. cr.

Career Development

Increasing verbal and nonverbal job related communication and presentation skills. Exploring business etiquette and dress in order to adjust to the corporate environment and the professional image. Discussing career related ethics. Prerequisites: 6 hrs. English Composition or permission of instructor.

GB 363 (F,S)

1 hr. cr.

Interpersonal Development

Learning to work with others; exploring techniques of negotiation; determining how to resolve conflict. Developing teaching/training and leadership skills. Learning to conduct and participate in meetings. Understanding how to serve customers/clients and developing sensitivity to other cultures. Prerequisites: 6 hrs. English Composition or permission of instructor.

GB 405 (Demand)

3 hrs. cr.

Statistical Quality Control

Theory and methods used in statistical quality control. Emphasizes basic statistical analysis, variables control charts, attributes control charts, interpretation of control charts, estimation of process parameters, gage capability, acceptance sampling, and service quality. Students will be encouraged to use spreadsheets to solve SPC problems. Prerequisites: GB 321 or consent of instructor.

1-12 hrs. cr. GB 491 (F, S) Internship in General Business

An internship for senior General Business students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.00 GPA and department approval.

GB 498 (Demand) 1-3 hrs. cr. **Special Topics in General Business**

Special topics in General Business. For upperdivision students. Topics to be announced each time the course is offered. Prerequisite: Senior standing or permission. Seminar topics offered in the past include office machines, career orientation and human relations.

International Business / 149

GB 499 (Demand)

1-3 hrs. cr. Independent Study in General Business Individually directed readings, research and discussions in selected areas of general business for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and 3.0 GPA.

International Business

Matthews Hall 309L, 417.625.9507

Faculty Bradberry, Lewis, Marion, Shaver

The B.S.B.A. International Business major course of study is designed to prepare the graduate for employment with multinational companies. Potential employers may be large or medium/small-sized companies in the Joplin region, in Missouri, or in the U.S.

Bachelor of Science in Business Administration with an Emphasis in International Business

1		Semester I	Hours
	Core Red	quirements (p. 33)	51*
	Business	s Core (p. 139)	39
	Internation	onal Business Emphasis:	34
	IB	(select three from 400,	
		410, 420, 430)	9
	IntS	(select one from 303,	
		304, 305)	3
	Compete	ncy in Foreign Language	3
	Internatio	nal Internship or	
	Internation	nal Business Field Study	3
	Electives		16
	Total		124

*IB 310 included in Core Requirements.

Suggested Order of Study

Bachelor of Science In Business Administration Major Code 0503 International Business Emphasis

Freshman Year 1st Semester

13t Ochile	20101	
Course		Hours
CORE	[Eng 101 Comp I]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't: US/Sta/Loc]	3
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
MM 237	Using Info Systems	3
		15
2nd Sem	ester	
CORE	[Eng 102 Comp II]	3
CORE	[Fine Arts (Art 110, Mus 110	
	or Th 110]	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[Econ 201 Econ-Macro]	3
		16

Sophomore Year			
	1st Seme	ester	
	Acct 201	Prin of Acct I	3
	CORE	[Phys 100 Fund of Phys Sci]	5
	CORE	[Econ 202 Econ-Micro]	3
	CORE	[Hist 110 American History]	3
	CORE	[Fine Arts & Humanities	
		Elective]	3
			17

2nd Seme	ester Prin of Acct II	3
CORE	[Bio 101 General Biology]	4
CORE	[Literature (Eng 261,262,	
	271,272,281 or 282	3
CORE	[Hist 120 U.S. 1877-Pres]	3
Elective		3
		16
Junior Ye	ear	
4-10		

Junior Year					
1st Seme					
IB 310	International Business	3			
GB 301	Legal Environment of Bus I	3			
GB 321	Business Statistics I	3			
MM 350	Prin of Management (WI)	3			
MM 300	Prin of Marketing	3			
Foreign L	anguage	3			
		18			

2nd Semester	
GB 320 Business Comm (WI)	3
Econ 350 Financial Management	3
IB 400 International Marketing*	3
Foreign Language	3
Elective	3
	15

Senior Year 1st Semester		
IB 430 International Corporate Fin* IntS 304 Comparative Political Econ Foreign Language	3 3	
IB 420 International Accounting	3 12	
2 nd Semester IB 410 International Management* MM 452 Strategic Management Foreign Language Foreign Language for Business Senior Thesis or Internship	3 3 3 3 3	
* OR IB 420 International Accounting	15	
For additional information contact: Mr. Terry Marion Office: Matthews Hall 309L Phone: 417.625.9507 E-mail: marion-t@mail.mssc.edu		

Course Descriptions

IB 310 (F, S) 3 hrs. cr.

International Business

Introduction to the intricacies and complexities of international trade and business. The course provides an overview of the international organizations and the effects of the foreign environment on international business. The course will focus on cultural differences; theories of international trade and economic development; international finance; marketing internationally and practical applications of starting and maintaining international business relationships. Prerequisites: Econ 180 or Econ 201.

IB 400 (S) 3 hrs. cr. International Marketing

This course provides students with an understanding of the principles and practices of international marketing by studies of the international marketing environment, international marketing strategies, international marketing management and international marketing organization for international companies. Prerequisites: IB 310 and MM 300.

IB 410 (S) 3 hrs. cr. International Management

This course will focus on the development of management skills related to international business. The students will study the international business environment, international business strategy, international organizational structure and international management. Management issues for small and large international companies will be examined in the areas of management of activities, building of capabilities, management across boundaries, coordination and control, and human resource management. Prerequisites: IB 310 and MM 350.

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IB 420 (Summer)

International Accounting

This course examines aspects of accounting operations within a multinational corporate environment. Key topics include:

- 1. International financial reporting and standard setting with regard to different needs in different countries, with harmonization efforts within IASC and the EU.
- 2. International financial statement analysis and accounting for foreign operations.
- Accounting standards and practices in selected countries. Prerequisites: Acct 201 and 202.

IB 430 (F)

3 hrs. cr.

International Corporate Finance

This course focuses on the environment in which the international financial manager operates. Students study the risks of doing business overseas and the tools available to minimize those risks. Foreign exchange risk, political risk, foreign investments and international financing, working capital management, accounting and control are examined within this context. Prerequisites: IB 310 and Econ 350.

IB 491 (Demand) 1-12 hrs. cr. Internship in International Business

An internship for senior International Business students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.00 GPA and department approval.

IB 498 (Demand)

1-3 hrs. cr.

Special Topics in International Business Special topics in international business. For upper-division students. Topics to be announced

each time the course is offered.

IB 499 (Demand)

1-3 hrs. cr.

Independent Study in **International Business**

Individually directed readings, research and discussion in selected areas of International Business for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA.

Management

Matthews Hall 309N, 417.625.9518

Faculty Block, Bradberry, Bradshaw, Cragin, Marion, Rusley, Stevens, Vernon

The B.S.B.A. management major course of study is designed to prepare the graduate for entry level positions of responsibility in the for-profit, nonprofit, and public sectors.

Bachelor of Science in **Business Administration** with an Emphasis in Management

Semester Hours

Core Requirements (p. 33)		51
Business Core (p. 139)		
Managem	ent Emphasis	18
Acct 325	Managerial Acct	3
MM 337	Management Information	
	Systems	3
MM 352	Human Resource Mgmt	3
MM 431	Operations Mgmt	3
MM 441	Organizational Behavior	3
Select On	e: (MM 354, MM 410, MM	
	411, MM 412, GB 405)	3
Electives		16
Total		124

Suggested Order of Study

Bachelor of Science in Business Administration Major Code 0507 **Management Emphasis**

Freshman Year

1st Semester

101 00111001	01		
Course		Hours	5
CORE	[Eng 101 Comp I]	3	
CORE	[Math 131 Finite Math]	3	
CORE	[PSc 120 Gov't: U.S./Sta/Loc] 3	
CORE	[Bio 101 General Biology]	4	
CORE	[Kine 103 Lifetime Wellness]	2	
Psy 120	College Orientation	1	
		40	

2nd	Semester	

CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15

Sophomore Year

3
3
3
3
3
15

2nd Semester

Acct 202	Prin of Acct II	3
Econ 202	Prin of Econ-Micro	3
CORE	[Literature (Eng 261, 262,	
	271, 272, 281 or 282)]	3
CORE	[Hist 120 U.S. 1877 - Pres]	3
Elective		3
		15

Junior Year

outilot 10	ui	
1st Semes	ster	
Acct 325	Managerial Accounting	3
GB 301	Legal Environment of Bus I	3
GB 320	Business Comm (WI)	3
MM 350	Prin of Management (WI)	3
MM 337	Mgmt Information Systems	3
		15

2nd Semes	ster	
GB 321	Business Statistics I	3
Econ 350	Financial Management	3
MM 300	Prin of Marketing	3
MM 352	Human Resource Mgmt	3
Advanced I	Business Elective (must be	
	selected in consultation with	
	adviser from courses	
	numbered 300 or above	
	within the School of Business	
	Administration)	3

3

Senior Year

Elective

1st Semes	ter	
MM 431	Operations Management	3
MM 441	Organizational Behavior	3
CORE	[International Cultural Studies]
	(IB 310 Strongly recommended)	3
CORE	[Humanities & Fine Arts Election	ive
	(See Core requirements, p. 33)	3
Electives		3
		15

2nd Semester

Advanced	Elective (MM 354, 410, 411,	
	412, or GB 405)	3
MM 452	Strategic Management (WI)	3
Electives		9

[Department Recommendations]

Marketing, Management Technology / 151

2nd Semester

For additional information contact:

Dr. Bill Stevens

Office: Matthews Hall 309N

Phone: 417.625.9518

E-mail: stevens-w@mail.mssc.edu

Marketing

Matthews Hall 309H, 417.625.9702

Faculty Blades, Cragin, Hochhalter, Johnson, Kleindl, Miller

The B.S.B.A. marketing major course of study is intended to prepare graduates for positions in retailing, sales management, promotion, research and general administration.

Bachelor of Science in Business Administration with an Emphasis in Marketing

Semester Hours

3

3

124

	Cor	e Req	uirements (p. 33)		51
	Bus	iness	Core (p. 139)	,	39
	Mar	keting	Emphasis	. 1	10
1	MM	412	Marketing Management	3	
	MM	432	Consumer Behavior	3	
	MM	470	Marketing Research	3	
	MM	490	Career Portfolio Develop.	1	
	Cho	ose T	hree [Optional Classes]		9
	MM	312	Retailing	3	
	MM	321	Salesmanship	3	
	MM	340	Prin. of Transportation	3	
	MM	401	Promotional Strategy	3	
1	MM	405	Internet Marketing	3	
		tives		10.0	15
			ended)		
	MM	410	Small Bus. Practicum	3	

MM 491 Internship

Total

Acct 325 Managerial Accounting

Suggested Order of Study

Bachelor of Science in **Business Administration** Major Code 0505

Marketing Emphasis Freshman Year

1st Semes	ter	
Course		Hours
CORE	[Eng 101 Comp I]	3
CORE	[Math 131 Finite Math]	3
CORE	[PSc 120 Gov't:U.S./Sta/Loc] 3
CORE	[Bio 101 General Biology]	4
CORE	[Kine 103 Lifetime Wellness]	2
Psy 120	College Orientation	1
		16
2nd Semes	ster	
CORE	[Eng 102 Comp II]	3

Zilu Seilles	ster	
CORE	[Eng 102 Comp II]	3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 100 or Soc 110]	3
CORE	[Kine 101 Physical Activity]	1
		15

Sophomo	re Year	
1st Semester		
Acct 201	Prin of Acct I	3
CORE	[Econ 201 Econ-Macro]	3
MM 237	Using Info Systems	3
CORE	[Fine Arts (Art 110, Mus 110	
	or Th 110)]	3
CORE	[Hist 110 American History]	3
		15
2nd Semes	ster	

Acct 202	Prin of Acct II	3
Econ 202	Prin of Econ-Micro	3
CORE	[Literature (Eng 261, 262,	
	271, 272, 281 or 282)]	3
CORE	[Hist 120 American History]	3
Elective	(must be selected in	
	consultation with adviser	
	from courses numbered 300	
	or above within the School of	
	Business Administration)	3
		15

		10
Junior Ye	ar	
1st Semes	ter	
GB 301	Legal Environment of Bus I	3
GB 321	Business Statistics I	3
MM 300	Prin of Marketing	3
MM 350	Prin of Management (WI)	3
Advanced	Business Elective	
	(must be selected in	
	consultation with adviser	
	from courses numbered 300	
	or above within the School of	

Business Administration

GB 320	Business Comm (WI)	3	
MM 312	Retailing	3	
MM 321 OR	Salesmanship		
MM 405	Internet Marketing	3	
Econ 350	Financial Management	3	
Electives	(must be selected in		
	consultation with adviser		
	from courses numbered 300		
	or above within the School of		
	Business Administration)	6	
		18	
enior Year			

Senior Ye		
MM 401 OR	Promotional Strategy	3
MM 405	Internet Marketing	
MM 412	Marketing Management	3
CORE	[International Cultural Studies] (IB 310 strongly recommended	
CORE	[Humanities & Fine Arts Electi (See Core Requirements p. 33)	ve]
Electives	(======================================	3
		15

2nd Semes	ator	
MM 432	Consumer Behavior	3
MM 452	Strategic Management (WI)	3
MM 470	Marketing Research	3
Electives		6
		15

[Department Recommendations]

For additional information contact:

Dr. Holland Blades

15

Office: Matthews Hall 309H Phone: 417.625.9702 E-mail: blades-h@mail.mssc.edu

> **Management** Technolog

Matthews Hall 302, 417.625.9319

Bachelor of Science in Management Technology with an Emphasis in **General Business**

The B.S. in management technology major course of study is for students who have already received an associate degree in a technical field or other technical preparation approved by the adviser and school dean and who desire to obtain the necessary

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business skills to become technical supervisors or first line managers. Students must apply for admission to the program in the first semester of the junior year.

(General Business Emphasis)

Semester Hours

15

Two Year Associate Degree			
Core Curriculum (p. 33)			
Required I	Business Classes:	3	
Acct 201	Prin of Accounting I	3	
Acct 202	Prin of Accounting II	3	
Econ 201	Prin of Economics-Macro	3	
Econ 202	Prin of Economics-Micro	3	
MM 237	Using Info Systems	3	
GB 301	Legal Environment		
	of Business I	3	
GB 320	Business Comm (WI)	3	
GB 321	Business Statistics I	3	
MM 300	Prin of Marketing	3	
MM 350	Prin of Management (WI)	3	
Econ 350	Financial Management	3	
MM 452	Strategic Mgmt (WI)	3	

Five additional courses selected from:

Acct 325 Managerial Accounting Acctng Information Systems Acct 419 Microeconomic Analysis Econ 401 GB 302 Legal Environment of Business II **Business Statistics II GB 322 GB 405** Statistical Quality Control MM 337 Management Info Systems MM 352 **Human Resource Mgmt** MM 354 Quality Management MM 405 Internet Marketing Labor & Employment Law MM 411 MM 431 **Operations Management** MM 441 Organizational Behavior Psy of Human Resource Mgmt MM 450

Electives (Associate degree hours) 22 **Total Hours**

Students who have already received an associate's degree in a technical field may have their degree and/or courses substituted for relevant degree requirements with the approval of the Dean of the School of Business Administration.

For additional information contact:

Dean of School of Business Administration

Office: Matthews Hall 302 Phone: 417.625.9319

E-mail: gray-j@mail.mssc.edu

Course Descriptions

MM 237 (F, S) 3 hrs. cr. **Using Information Systems**

Principles of information systems in the business environment. Covers components of personal and business information systems, file management, and industry standard application software packages (i.e., word processing, spreadsheet, database, presentation, and internet browser). Includes hands-on use of microcomputers. Prerequisite: Basic knowledge of windows operating system, word processing, and spreadsheet software required or COMP 105 Microcomputer Use.

3 hrs. cr. MM 300 (F, S)

Principles of Marketing

Survey of major marketing methods, institutions and practices. Retailing, wholesaling, distribution channels, marketing legislation, advertising, marketing research and marketing cost are treated from the standpoint of consumers, middlemen and manufacturers. Prerequisite: Econ 202.

3 hrs. cr. MM 312 (F) Retailing

Principles of successful retail management, including managing retail operations, administration and control, location analysis, merchandising, promotion and review of the retail environment; with analytic and research methods applicable to retail problems. Prerequisite: MM 300.

3 hrs. cr. MM 321 (F) Salesmanship

Principles and methods of effective personal and industrial selling. Stresses practical aspects through actual sales presentation by the students who may be videotaped and critiqued according to basic selling principles. Prerequisite: MM 300.

MM 337 (F, S)

Management Information Systems

Familiarizes business students with management information systems, including proper selection of software and hardware components. Prerequisite: MM 237 or CIS 115 and 120.

MM 340 (S) 3 hrs. cr. **Principles of Transportation**

Principles of Transportation examines forms of transportation and institutional factors that influence transportation decisions; regulation, public policy, and other governmental variables are reviewed in detail. An introduction to physical distribution's interaction with transportation is explored. Prerequisite: MM 300.

MM 350 (F, S) 3 hrs. cr. Principles of

Management (Writing Intensive) A study of the planning, organizing, leading and controlling functions of management including global, social responsibility and ethical management challenges. Prerequisite: Junior standing, Eng 101/102 or equivalent.

3 hrs. cr.

Human Resource Management

Principles and practices of management with emphasis on the human factors, including procurement, development and maintenance of an effective work force. Prerequisite: MM 350 or consent of instructor.

MM 354 (F. S)

3 hrs. cr.

Quality Management

Quality Management (QM) is an overview of an evolving philosophy for continuous improvement of products, process and services to enhance quality while reducing costs. It is a management/ technical/cultural approach to the integration of all systems and processes of an enterprise to achieve "customer" satisfaction. Prerequisite: MM 350, GB 321 or consent of instructor.

MM 380 (Demand)

3 hrs. cr.

Database Marketing

This course will address database design, implementation and the use of Database Management Systems to support Electronic Business. Emphasis will be placed on using database information in a marketing context. The topics covered include: database design and implementation, data modeling, data warehousing and data mining, on-line analytical processing and database application and management. In addition, the course will give students hands on experience with relevant software. Prerequisites: Business Statistics I (or equivalent), Marketing Research (or equivalent recommended).

MM 401 (S) 3 hrs. cr. **Promotional Strategy**

Description of fundamental advertising and promotional principles and their application in mass marketing. Analysis of advertising media, the preparation of advertising and formulation of campaigns. Prerequisite: MM 300.

MM 405 (F, S) Internet Marketing 3 hrs. cr.

Addresses the new technological environment that marketers are facing by introducing strategic considerations related to technology and technology implementation. Explores the basics of marketing exchange utilizing the information highway, multimedia techniques, database marketing, and interactive telecommunications; also gives students hands on experience with relevant software. Prerequisites: MM 300, MM 237 (or equivalent).

MM 407 (Demand) 3 hrs. cr. **Internet Promotion**

Principles and methods of promoting a business over the Internet. Covers marketing concepts that apply to websites, and other forms of promoting over the World Wide Web. Various methods of design are covered along with "customer friendly" approaches to website usage. Includes hands-on use of microcomputers. Prerequisites: MM 300 and MM 237.

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MM 410 (F, S)

3 hrs. cr.

Small Business Management Practicum A practical course in solving real problems in an actual business environment. Students provide counseling to small business firms through cases referred by the Small Business Development Center. Course may be repeated for a total of six hours of credit. Prerequisite: Second semester junior or senior standing in business administration.

MM 411 (Demand)

3 hrs. cr.

Labor and Employment Law

A primary emphasis on Fair Employment practices, Title VII of the Civil Rights Act and other major employer/employee legal relationship including, but not limited to, affirmative action, race, gender, age, disability, and affinity orientation discrimination. Additional topics include Fair Labor Standards Act, Immigration Reform and Control Act, worker's compensation and privacy issues. A secondary emphasis on the Labor-Management Relations Act, as amended, the bargaining unit and unfair labor practices. Prerequisite: Junior standing. Formerly GB

MM 412 (F)

3 hrs. cr.

Marketing Management

Managerial aspects of marketing: problems involved in goal setting, planning and strategies as they apply to product policy, pricing objectives. promotional objectives, distribution policy and marketing intelligence. Prerequisites: MM 300 and MM 350.

MM 431 (F)

3 hrs. cr.

Operations Management

Principles and decision analysis related to the effective utilization of the factors of production and operations in manufacturing activities for both intermittent and continuous systems. The study of operations management, analytical models and methods, facilities design and the use of computer modeling for control systems for effective production operations. Prerequisite: GB 321.

MM 432 (Demand)

Consumer Behavior

An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives and the resultant purchase of goods and services. The purchaser's psychological, economic and socio-cultural actions and reactions are stressed. Prerequisite: MM 300.

MM 441 (F, S)

3 hrs. cr.

3 hrs. cr.

Organizational Behavior

A study of the organization, human behavior in organizational settings and the interface between them. Prerequisite: MM 350, Senior standing.

MM 450 (Demand)

3 hrs. cr.

The Psychology of Human

Resource Management

Traditional areas of human resource management/organizational psychology are addressed, including group interaction, communication, attitudes, interviewing, compensation and benefits and the legal environment. An interdisciplinary approach will be taken. The contents will be presented using both theory and experimental methods.

MM 452 (F, S)

3 hrs. cr. Strategic Management (Writing Intensive) A capstone course integrating business disciplines with formal analyses of the organization's macro and industry environment; mission and goals; and strategy formulation, implementation and control using the case approach method. Prerequisites: Senior standing, MM 300, MM 350, Econ 350; must be taken during the last year of college work.

MM 470 (S)

Marketing Research

3 hrs. cr.

The systematic gathering, recording, analyzing and presentation of data relating to market analysis, sales analysis, consumer research, advertising research and attitude research. Prerequisites: GB 321 and six hours of marketing.

MM 490 (F, S)

Career Portfolio Development

1 hr. cr.

The Career Portfolio Development course is designed to have students develop hypertext portfolios. Students must prepare themselves for lifelong careers that cross over multiple jobs and duties. Electronic portfolios are becoming prevalent in the business because they show individual skill and qualifications. This class will instruct students on how to organize their accomplishments in an electronic format. Prerequisite: Senior Status.

MM 491 (F. S)

1-12 hrs. cr.

Internship in Marketing/Management

An internship for senior marketing/management students with an opportunity to observe and participate in actual business operations within the community. All internships must conform to institutional policy regarding the number of hours of work, the number of credit hours and written agreements with the cooperating business or agency. Prerequisites: 65 hours, 3.0 GPA and department approval.

MM 498 (Demand)

1-3 hrs. cr.

Special Topics in Marketing and Management

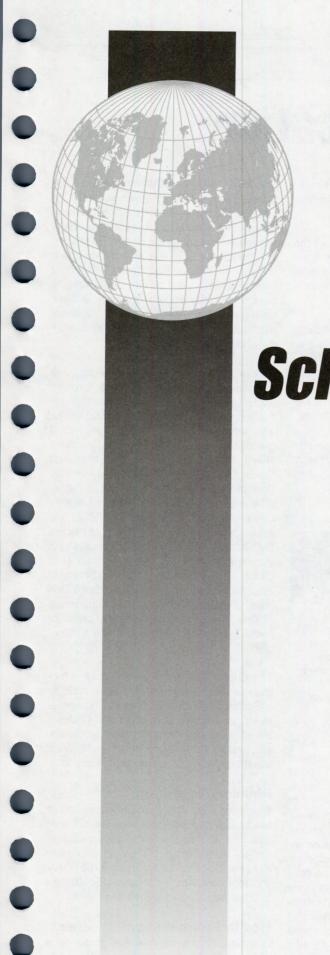
For upper-division students. Topics to be announced each time the course is offered. Prereguisite: Senior standing or permission.

MM 499 (Demand)

1-3 hrs. cr.

Independent Study in **Marketing and Management**

Individually directed readings, research and discussion in selected areas of Marketing/Management for advanced majors. Scope, depth, area of concentration and credit to be arranged upon entry into course. Offered by arrangement. Prerequisites: Permission and a minimum 3.0 GPA.



School of Education

Kinesiology

Psychology

Teacher Education

School of Education

School Dean

Michael John Horvath
Taylor Hall 220, 625-9314

Degrees and MajorsBachelor of Art

Psychology

Bachelor of Science

Health Promotion and Wellness Psychology

Bachelor of Science in Education

Elementary Education Middle School Education Physical Education Secondary Education

Role

The School of Education is comprised of three departments: Kinesiology, Psychology, and Teacher Education. The combined role of these departments involves mentors and scholars dedicated to human development and to shaping communities. Additionally, the school provides support courses in physical education and psychology for the core curriculum. All departments prepare students for professional careers and/or graduate school.

The faculty serve as professional mentors for their students by demonstrating current practices that have been developed from research. The faculty also contribute to the scholarly community through research and writing within their disciplines. The goal of the school is to provide an environment where scholars can expand their knowledge and apply new skills to shape communities.

Specific goals include:

- To acquire a working knowledge and competency in the philosophical foundation of the discipline;
- To provide cognitive, affective, and psychomotor learning in communication, problem solving, and values clarification;
- To develop an understanding of how humans grow and develop. This

understanding includes the theoretical basis for development and how this relates to behavior;

- To internalize an awareness of the cultural diversity that exists in society and to provide knowledge relative to the contribution made by various cultures;
- To integrate and apply technology relative to research and professional productivity;
- To develop awareness in the assessment of developmental and behavioral problems;
- To develop humanitarian values, professional attitudes, and ethical standards.

Kinesiology

Robert E. Young Gymnasium 212 417.625.9316

Faculty Lipira - Head, Beard, Beeler, Conklin, Cooke, Corn, Dykens, Fancher, Faubion, Green, Hobbs, Hubbard, Jimerson, Lusk, Mitts, O'Keefe, Rutledge, Smith, Traywick, Turner, Vavra,

Faculty in the department of kinesiology feel that all students at Missouri Southern State College should be trained in sound principles of fitness and wellness. It has been estimated that approximately 60% of Americans are not regularly physically active. This sedentary lifestyle may manifest itself in the form of chronic conditions including heart disease, obesity, diabetes, anxiety and depression, and certain cancers. The core course requirements (Kine 103, Lifetime Wellness and Kine 101, Introduction to Physical Activity) will assist all students in making the lifestyle changes necessary for becoming active, fit, and healthy.

The Kinesiology Department offers two degrees: the Bachelor of Science in Education degree (B.S.E.) with a major in Physical Education and the Bachelor of Science (B.S.) degree with a major in Health Promotion and Wellness. It is the policy of the department of kinesiology that majors be ambassadors of fitness and healthy life-styles. All majors should have knowledge of, and will be assessed on, cardiovascular function, muscular strength and endurance, flexibility, and body composition.

Majors in the department of kinesiology are strongly encouraged to become involved with professional clubs and organizations at the departmental, state, and national levels. The department's programs of study reflect guidelines from the American Alliance for Health, Physical Education, Recreation, and Dance (AAHPERD), the National Association for Sport and Physical Education (NASPE), Missouri Department of Elementary and Secondary Education (DESE), the American College of Sports Medicine (ACSM), the Association for Worksite Health Promotion (AWHP), the American Red Cross, and requirements from the School of Education at Missouri Southern State College. Students studying in the department of kinesiology must earn a grade of "C" or better in all required courses with a "Kine" prefix.

The department of kinesiology has established a relationship with the Sport Institute of Finland in Vierumaki, Finland. This agreement provides opportunities for students from Vierumaki to study at Missouri Southern, and conversely, students from Missouri Southern may visit and study in Finland.

Physical Education

Students who desire certification as a teacher of physical education will become qualified at both the elementary and secondary level (K-12). Physical education K-12 majors should refer to page 165 where the requirements for Missouri Southern's teacher education program are listed.

Health Promotion and Wellness

Graduates in this major will be prepared to promote life-style strategies to prevent illness and improve quality of life. An impor-

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3

3

3

Semester Hours

Marriage and Family

Human Sexuality

Nutrition for Human

School Health

Development

Education (WI)

tant component of this course of study includes a core of courses from the School of Business. Students seeking the health promotion and wellness degree will actively participate in an internship experience in their final semester. Upon completion of the program, graduates may seek professional opportunities in a wide variety of areas including, but not limited to:

- hospital wellness programs
- physical therapy
- cardiac rehabilitation
- graduate school
- business/corporate fitness
- exercise physiology
- fitness/wellness centers
- research
- geriatric programs

Students who wish to pursue the degree in health promotion and wellness must have a cumulative GPA of 2.5 for all college course work prior to admission into Kine 495, Internship in Wellness.

Coaching

In the state of Missouri, head and assistant coaches in all sports must be certified teachers or administrators and be contracted by the Board of Education for the full school year as a full-or part-time teacher or administrator. The school board may also hire, as an assistant coach only, an individual who possesses a valid substitute or temporary (provisional) certificate, provided the school provides evidence that the position is required to maintain existence of the program and/or an adequate safety level, the coach completes an in-service training program, and a copy of the current teaching certificate is on file at the school. All coaches must attend a Missouri State High School Activities Association (MSHSAA) rules meeting.

For the coaching requirements of another state, you will need to contact the state's governing agency.

For students with an interest in coaching, we offer the following related courses. These courses are not required and are considered electives.

)		Semester H	Hours
	Kine 150	Rules and Officiating	3
	Kine 220	First Aid & Sport Safety	2
1	Bio 221	Human Anatomy &	
		Physiology II	5
	Kine 342	Biomechanical Analysis	
		of Movement	3
	Kine 431	Physiology of Exercise	2
	Kine 260	Theory of Basketball	2

Kine 261	Theory of Football	2	Soc 221
Kine 262	Theory of Track & Field	2	OR
Kine 263	Theory of Volleyball		0.1
		2	Psy 343
Kine 264	Theory of Baseball	2	Kine 370
Kine 265	Theory of Soccer	2	
			Kine 385

Athletic Training

To become a certified athletic trainer, one must pass the National Athletic Training Examination. Only persons with a degree in Athletic Training are eligible to take the exam. Missouri Southern **does not** offer a degree in Athletic Training; however, the following courses provide both classroom and hands-on experience for students who desire to pursue athletic training at the graduate school level.

	Semester I	Hours
Bio 221	Human Anatomy &	
	Physiology II	5
Kine 220	First Aid & Sport Safety	2
Kine 325	Practicum in Sports	
	Medicine	2
Kine 342	Biomechanical Analysis	
	of Movement	3
Kine 385	Nutrition for Human	
	Development	3
Kine 431	Physiology of Exercise	2
Kine 432	Physiology of Exercise	
	Lab	2

Health

The Missouri Department of Elementary and Secondary Education (DESE) identifies Health as a certification area. To teach health in the State of Missouri, one must be certified. A student desiring health certification should complete the following courses and contact DESE for certification. One must have a grade point average of 2.5 on a 4.0 scale in the subject area.

	Semester	Hours
Kine 103 OR	Lifetime Wellness	2
Kine 113	Wellness for the Health	
	Professional	2
Kine 160	Personal and	
	Community Health	2
OR		
Soc 354	Sociology of	
	Health/Wellness	3
Kine 170	Drug Education	2
Kine 220	First Aid & Sport Safety	2
Psy 221	Personal Adjustment	3
Bio 221	Human Anatomy &	
	Physiology II	5

Bachelor of Science in Education With a Major in Physical Education K-12

Core Requ	irements (p. 33) 51** ducation Requirements	48* 47
Bio 221	Human Anatomy	41
DIO ZZI	and Physiology II	5
Kine 113	Wellness for	5
Killo 110	Health Professionals	2
Kine 114	Fitness Programming	2
14110 114	and Assessment	2
Kine 135	History and Philosophy	2
14110 100	of Physical Education	2
Kine 220	First Aid and Sport	-
	Safety	2
Kine 251	Lifetime Activities I	3
Kine 252	Lifetime Activities II	3
	Theory & Technique	0
	of Dance & Exercise	2
Kine 310	Theory & Technique of	
	Elementary Physical	
	Education I	3
Kine 312	Theory & Technique of	
	Elementary Physical	
	Education II	3
Kine 321	Theory & Technique of	
	Secondary Physical	
	Education	3
	Rhythmic Form and	
	Analysis	2
	Motor Learning in	
	Physical Education	2
	Biomechanical Analysis	3
	Tests and Measurements	
	in Physical Education	2
	Psychological Aspects	_
	of Physical Education	2
	Social Aspects of	0
Kine 375	Physical Education Adapted Physical	2
	Education	2
	Physiology of Exercise	2
Professiona	I Certification	2
Requiremen		37
	ntroduction to Teacher	0,
	Education I	1
	ntroduction to Teacher	
	Education II	1
	Jse of Computer Software	
	n the Classroom	3

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Educ 302 Educ 321 Educ 329 Educ 338 Educ 402 Educ 422	The Exceptional Child Microteaching Pedagogical Theory, Methods and Practice Teaching Physical Educ. Foundations of Educ. Content Area Literacy:	2 2 4 2 2	Spring Sem Kine 252 Kine 255 Psy 310 Kine 220 CORE	Lifetime Activities II Theory/Tech of Danc Educational Psychol First Aid & Sport Saf
Educ 423 Educ 432 Educ 464 Psy 305 Psy 310 TOTAL	Secondary Classroom Management Critical Issues in Educ. Student Teaching - EL-SEC (PK-12) Child/Adolescent Dev Educational Psychology	2 2 2 8 4 2 132	Junior Yea Fall Semest Kine 310 Kine 321 Kine 332 Kine 340 Psy 305 CORE	

*The kinesiology requirements count for 5 hrs. of core.

** NOTE: Students studying in the Physical Education degree program should take Bio 121, Human Anatomy and Physiology I, for the Biology Core Requirement

Suggested Order of Study

Bachelor of Science in Education Major Code 0822 **Physical Education PK-12**

Freshman Year

Fall Semeste	er	
Course	l l	Hour
Kine 113	Wellness for Health Prof	2
Eng 101	College Composition I (WI)	3
Educ 100	Intro to Education I	1
Psy 100	General Psychology	3
Psy 120	College Orientation	1
Bio 121	Human Anatomy & Phys. I	4
Comm 100	Oral Communication	3
		17

Spring Semester

opining conne	0.0.	
Kine 114	Fitness Prog & Assessment	2
Eng 102	College Composition II(WI)	3
Phys 100	Fund of Physical Science	5
Kine 135	History & Philosophy of PE	2
CORE		6
		10

Sophomore Year

000110111010		
Fall Semeste	r	
Kine 251	Lifetime Activities I	3
Educ 200	Intro to Teacher Education	II 1
Bio 101	General Biology	4
Psy 302	Exceptional Child	2
CORE		6
		40

Kine 252	Lifetiffie Activities II	0
Kine 255	Theory/Tech of Dance & Exe	r 2
Psy 310	Educational Psychology	2
Kine 220	First Aid & Sport Safety	2
CORE		9
		18
Junior Year		
		0
Kine 310	Theory/Tech of Elem P.E. I	3

Analysis P.E.)ev

3 17

Spring Samester

Spring Serie		
Kine 312	Theory/Tech of Elem P.E. II	3
Kine 342	Biomechanical Analysis	3
Kine 345	Tests/Measurements in P.E.	. 2
Kine 366	Social Aspects of P.E.	2
Educ 329	Ped Theory, Meth & Prac#	4
Educ 321	Microteaching#	2
Educ 423	Classroom Management#	2
		18

Senior Year

Fall Semeste	r	
Kine 365	Psych. Aspects of P.E. (WI)	2
Kine 375	Adapted Physical Educ.	2
Kine 431	Physiology of Exercise	2
Educ 301	Computer Software	3
Educ 422	Content Area Lit: Sec (WI)	2
CORE		3
		14

Spring Semester

opining ocinic	0101		
Educ 338	Teaching Physical Educ. @	2	
Educ 402	Foundations of Ed. (WI) @	2	
Educ 432	Critical Issues in Educ. @	2	
Educ 464	Student Teaching (K-12) @	8	
		14	

Application for Junior Block courses one semester in advance and note criteria for admission @ Application for Professional Semester one semester in advance and note criteria for admission

Bachelor of Science in Health Promotion and Wellness

Semester Hours

Core Requirements (p. 33) ** Health Promotion and		
Wellness F	Requirements	75
Bio 221	Human Anatomy &	
	Physiology II	5
GB 320	Business Communication	3
MM 300	Principles of Marketing	3
MM 350	Principles of Management	3
MM 352	Human Resource	
	Management	3
MM 441	Organizational Behavior	3
Comp 105	Introduction to	
	Microcomputer Use	3

Psy 221 Select one Psy 343 Psy 382 Soc 221 Soc 322 Soc 354	Personal Adjustment of the following: Human Sexuality (3) Behavior Management (3) Marriage and Family (3) Sociology of Work & Leisure (3) Sociology of Health &		3
	Wellness (3)		
Kine 113	Wellness for Physical Educators	2	
Kine 114	Fitness Programming and Assessment	2	
Kine 220	First Aid & Sport Safety	2	
Kine 251	Lifetime Activities I	3	
Kine 252	Lifetime Activities II	3	
Kine 255	Theory and Technique of		
	Dance and Exercise	2	
Kine 292	Fitness and Weight		
	Training	2	
Kine 295	Orientation to Health		
	Promotion and Wellness	1	
Kine 305	Aging and Health	2	
Kine 340	Motor Learning	2	
Kine 342	Biomechanical Analysis	3	
Kine 345	Tests and Measurements		
	in Physical Education	2	
Kine 375	Adapted Physical	•	
	Education	2	
Kine 385	Nutrition for Human	0	
	Development	3	
Kine 395	Practicum in Wellness	2	
Kine 431	Physiology of Exercise	2	
Kine 432	Physiology of Exercise	2	
V: 105	Laboratory	6	
Kine 495	Internship in Wellness	3	
Electives TOTAL	(WI)		25

** NOTE: Students in the Health Promotion and Wellness degree program take Math 140 Algebra and Trigonometry, Econ 202 Principles of Economics (Micro), and Bio 121 Anatomy and Physiology I for the Core Curriculum requirements. A minimum of 124 hours are required for graduation.

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Suggested Order of Study

Bachelor of Science Health Promotion and Wellness Code 6000

Freshman Y	ear	
Course		Hours
Fall Semeste	er	110010
Kine 113	Wellness for Health Prof.	2
Eng 101	College Composition I (WI)	3
Comm 100	Oral Communication	3
Bio 121	Human Anatomy & Phys. I	4
Psy 100	General Psychology	3
OR	acheral r sychology	0
Soc 110	Sociology	3
Psy 120		1
FSy 120	College Orientation	
		16
Spring Seme	ster	
Kine 114	Fitness Prog & Assessment	2
Eng 102	College Composition II (WI)	
Comp 105	Intro to Microcomputer Use	3
CORE	intro to Microcomputer Ose	
CORE		9
		17
Conhomore	Voor	
Sophomore Fall Semeste		
raii semeste		

First Aid & Sport Safety

2

Kine 251	Lifetime Activities I	3
Bio 101	General Biology	4
Econ 202	Principles of Economics	3
Psy 221	Personal Adjustment	3
	to a lateral state of the state	15
0		
Spring Sem		
Kine 252	Lifetime Activities II	3
Kine 255	Theory/Tech of Dance/Exer	2
MM 300	Principles of Marketing	3
Phys 100	Fund of Physical Science	5
Kine 292	Fitness/Weight Training	2
Kine 295	Orient. to Health Prom/Wilns	1
CORE		3
		19

Kine 220

I	MARKET STREET,	
Junior Yea	ır	
Fall Semes	ter	
Math 140	Algebra and Trigonometry	5
Kine 340	Motor Learning in P.E.	2
MM 350	Princ. of Management (WI)	3
Kine 375	Adapted Physical Educ.	2
Kine 385	Nutrition for Human Dev	3
CORE		3
		18
Spring Sem	nester	

		18
Spring Seme	ester	
Kine 305	Aging and Health	2
Kine 342	Biomechanics	3
Kine 345	Tests/Measurements in P.E	2
GB 320	Business Comm. (WI)	3
Kine 395	Practicum in Wellness	2
CORE and E	lective	6
		18

Senior Year

Fall Semeste	er	
Kine 431	Physiology of Exercise	2
Kine 432	Physiology of Exercise Lab	2
MM 352	Human Resource Manage	3
Psy 343	Human Sexuality elective	3
MM 441	Organizational Behavior	3
CORE		3
		16
Spring Seme	ster	
Kine 495	Internship in Wellness	6
		C

For additional information contact: Pat Lipira

Office: Young Gymnasium 214 Phone: 417.625.9573 E-mail: lipira-p@mail.mssc.edu

Course Descriptions

Kine 101 (F,S) 1 hr. cr. Introduction to Physical Activity

Designed to assist students in developing proficiency in a physical activity to increase the likelihood of lifetime participation. Required course for Core Curriculum. Non-repeated activities may be taken a maximum of three times for credit.

Kine 103 (F,S) 2 hrs. cr. **Lifetime Wellness**

Designed to provide students with the knowledge and self-management skills that will assist them in adopting healthy lifestyles. The course will encompass all areas of wellness: physical, emotional, spiritual, social, and intellectual. Required course for Core Curriculum.

Kine 113 (F, S) 2 hrs. cr. Wellness for the Health Professional

Contemporary information about the beneficial effects of a positive health life-style and how to implement and live such a life-style. Required and limited to students studying in the department of kinesiology.

Kine 114 (F, S) 2 hrs. cr.

Fitness Programming and Assessment Designed to teach introductory theory and technique in exercise programming and testing. Techniques for conducting physical fitness assessments are studied. Tests of cardiorespiratory fitness, muscular strength and endurance, joint flexibility, body composition, and pulmonary capacity are addressed. Prerequisite: Kine 113.

Kine 135 (S)

2 hrs. cr.

History and Philosophy of Physical Education

Changing role of physical education from past to present as evidenced through the influence of the various philosophies. Prerequisite: Kine 113 or concurrently.

Kine 150 (S)

3 hrs. cr.

Rules and Officiating of Team Sports

Knowledge and skills for officiating basketball, volleyball, softball, baseball, and football; officiating laboratory required in some areas. Open to all students.

Kine 160 (F)

2 hrs. cr.

Personal and Community Health

Study of the major risk factors determining health status, with special considerations given to principles and practices of good health for individual and community concerns, including personal and community assessments, body mechanics, nutrition, legal and illegal substances, responsible sexual behavior, mental health, and the cause and prevention of disease. Not recommended for elementary education majors.

Kine 170 (S)

2 hrs. cr.

Drug Education

Examine the dimensions and problems of drug use and abuse in our society. Basic information on drug classifications, as well as specific content areas dealing with pharmacology, legislation, drug tresting, drug education and prevention efforts will be covered. Key societal influences will be addressed including drugs in the workplace, in sports, in medicine, and throughout our culture.

Kine 220 (F,S) 2 hrs. cr. First Aid and Sport Safety

Designed to offer students the knowledge and skills necessary to sustain life, in an emergency situation, by minimizing the consequences of injury and sudden illness until medical help arrives. Strategies for providing a safe environment for athletes and injury prevention will also be presented.

Kine 251 (F)

3 hrs. cr.

Lifetime Activities I

Study of the skills and instructional strategies of selected lifetime activities commonly found in the school physical education curriculum. Health Promotion majors will participate in traditional as well as contemporary exercise interventions. Enrollment restricted to students studying in the Kinesiology department. Prerequisite: Kine 113.

Kine 252 (S)

3 hrs. cr.

Lifetime Activities II

Study of the skills and instructional strategies of selected lifetime activities commonly found in the school physical education curriculum. Health Promotion majors will participate in traditional as well as contemporary exercise interventions. Enrollment restricted to students studying in the Kinesiology department. Prerequisite: Kine 113.

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Kine 255 (F,S)

2 hrs. cr.

Theory and Technique of Dance and Exercise

Students will develop and refine the content knowledge and pedagogical skills needed for instructing dance, rhythms, and lifelong leisure activities.

Kine 260 (S)

2 hrs. cr.

Theory of Basketball

Organization and management of a school basketball program. Offensive and defensive systems, rules, strategies, drills, and fundamentals are studied.

Kine 261 (S)

2 hrs. cr.

Theory of Football

Organization and management of a school football program. Offensive and defensive systems, rules, strategies, drills, and fundamentals are studied.

Kine 262 (S)

2 hrs. cr.

Theory of Track and Field

Organization and administration of meets, coaching, physical conditioning, and training for each event in track and field programs.

Kine 263 (F)

2 hrs. cr.

Theory of Coaching Volleyball

Organization and management of volleyball competition. Offensive and defensive systems, rules, strategies, drills, and fundamentals are studied.

Kine 264 (F)

2 hrs. cr.

Theory of Baseball and Softball

Organization and management of a school baseball/softball program including individual techniques, team play, and challenges in coaching.

Kine 265 (S)

2 hr. cr.

Theory of Coaching Soccer

Organization and management of soccer competition. Systems of offense and defense, rules, strategy, and fundamentals of soccer are studied.

Kine 292 (F,S)

2 hrs. cr.

Fitness and Weight Training

Designed to assist health promotion professionals with designing and implementing strength training programs and with weight room management. Restricted to Health Promotion majors. Prerequisite: Kine 113

Kine 295 (F, S)

1 hr. cr.

Orientation to Health Promotion and Wellness

An orientation to health promotion and wellness. A 15 clock-hour field based component is a part of this class. Students will receive initial exposure to community and hospital health promotion and wellness programs as well as Southern's Wellness Program. Limited to Kine majors. Prerequisites: Kine 114 and Kine 220.

Kine 305 (S)

2 hrs. cr.

Aging and Health

Designed to explore the physiological process of aging and the role of interventions. Prerequisite: Kine 103 or Kine 113.

Kine 310 (F)

3 hrs. cr.

Theory and Technique of Elementary Physical Education I

Designed to provide pedagogical knowledge and application necessary for instruction of physical education with the elementary school child. Emphasis on motor skill instruction and analysis, curricular design, lesson planning, and class management. Enrollment restricted to Physical Education majors. Prerequisite: Kine 251 or

Kine 311 (F,S)

2 hrs. cr.

Physical Education for the Elementary School

Provides elementary education candidates with the skill, content and pedagogical knowledge necessary to design and implement an interdisciplinary physical education program. Emphasis is on development of the total child through physical activity. Prerequisite: a biology course and 60 hours

Kine 312 (S)

3 hrs. cr.

Theory and Technique of Elementary Physical Education II

Designed to provide pedagogical knowledge and practical experience for instruction in the elementary school physical education setting. Emphasis on physical fitness assessment, unit planning, and lifetime activity and sport instruction. Includes an 18-hour field experience. Prerequisite: Kine 310.

Kine 321 (F)

3 hrs. c

Theory and Technique of Secondary Physical Education

Offers pedagogical considerations necessary to develop teaching methodologies relative to lesson plan construction, class organization, and evaluation of students. Teaching sessions will provide the opportunity to experience a variety of teaching methods and organizational styles. Enrollment restricted to Physical Education majors. Prerequisite: Kine 251 or Kine 252.

Kine 325 (F,S)

2 hrs. ci

Practicum in Sports Medicine

This course is designed to provide the student the opportunity to observe and participate in athletic training procedures performed on athletes in the MSSC athletic training facility. (80 hours). Can be repeated once for credit. Prerequisites: Kine 220 and permission of instructor.

Kine 332 (F)

2 hrs. cr.

Rhythmic Form and Analysis

Designed to develop content knowledge and pedagogical skill in the area of dance and rhythmic activities developmentally appropriate for the PK-6 elementary physical education curriculum. Emphasis on movement concepts through activi-

ties involving creative dance, singing games, dances of American origin, international folk dances, and a variety of rhythmic activities. Includes a five-hour pre-school experience. Pre-requisite: Kine 310 or concurrent enrollment in Kine 310.

Kine 340 (F,S)

2 hrs. cr.

Motor Learning in Physical Education

Designed to provide students with the background necessary for identification of physical, mental, social, and emotional development and the effects on behavior movement. Prerequisite: 30 hours.

Kine 342 (F,S)

3 hrs. cr.

Biomechanical Analysis of Movement

A biomechanical approach to the study of forces on the human body with an emphasis on performance improvement, injury prevention, and rehabilitation in sport and exercise. Prerequisite: Bio 201 or Bio 221.

Kine 345 (F,S)

2 hrs. cr.

Tests and Measurements in Physical Education

Designed to introduce students to the techniques of measuring and evaluating performance. Includes preparation and administration of skill, fitness, and written tests along with statistical procedures for data analysis. Prerequisite: Kine 114

Kine 355 (Summer)

1 hr. cr

Lifetime Sports Academy Practicum

A one-week practicum designed to provide students with practical teaching experience of children in lifetime sports and recreational activities. The *Lifetime Sports Academy* is held annually on the campus of Missouri Southern State College during the second week of June and is open to all elementary-aged children. Required of Physical Education majors. Can be repeated once for credit.

Kine 365 (F)

2 hrs. cr.

Psychological Aspects of

Physical Education (Writing Intensive)
Behavior exhibited in the learning of skills and
physical performance related to psychological
concepts connected with the demands of physical activities. Particular attention given to
self-efficacy, motivation, and participation and
their effect on physical performance and personal wellness.

Kine 366 (S)

2 hrs. cr.

Social Aspects of Physical Education

Knowledge of the sociological aspects of physical activity relevant to physical education in schools. Particular attention given to the role of physical activity in social, ethical, and moral development of citizens.

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Kine 370 (F,S)

3 hrs. cr.

School Health Education (Writing Intensive) This course provides the background information and skills teachers need to implement comprehensive school health education at the grade levels in which they are certified. Prerequisite: Educ 329 or current enrollment in Educ 329.

Kine 375 (F,S)

2 hrs. cr. Independ

Adapted Physical Education

Provides information and strategies to assist professionals in designing and implementing appropriate physical activity programs for individuals with disabilities.

Kine 385 (F,S)

3 hrs. cr.

Nutrition for Human Development

Students will examine nutrition associated with human development and performance. Emphasis on the physiological and biochemical basis of nutrient absorption and utilization. Particular attention will be given to evaluating and developing strategies for optimal nutrition at various life stages. Prerequisite: any biology or chemistry course.

Kine 395 (F,S)

2 hrs. cr.

Practicum in Wellness

Students will gain experience in planning, implementing, and evaluating various aspects of health promotion programs. Knowledge of wellness programs will be enhanced by the development and refinement of skills appropriate to the discipline. Out of class opportunities will include working with the Missouri Southern Wellness Program and/or the community. Prerequisite: Kine 295.

Kine 431 (F,S)

2 hrs. cr.

Physiology of Exercise

Study of the effects of acute and chronic exercise on the systems of the body. Emphasis on energy, nutrition, and human performance. Prerequisite: Bio 201 or Bio 221

Kine 432 (F)

2 hrs. cr.

Physiology of Exercise Laboratory

Lab activities with emphasis on instrumentation and techniques used in the assessment of the physiological response to exercise. Required

course for Health Promotion and Wellness majors. Prerequisite: Bio 201 or Bio 221

Kine 495 (F, S)

6 hrs. cr.

Internship in Wellness

Extensive, off-campus internship providing opportunity for students to be an integral component of a wellness or health promotion facility. Students and on-site supervisor will develop a contractual agreement that provides specific learning experiences for the internship. Prerequisites: health promotion and wellness major, application for experience at least one semester in advance, and consent of department.

Kine 498 (Demand)

1-3 hrs. cr.

Seminar in Health or Physical Education A thorough study of an advanced problem in health or physical education for selected students. Prerequisites: senior standing, permission of department head.

Kine 499 (F,S)

1-3 hrs. cr.

Independent Study

Research of a problem or field of study relating to kinesiology. Material, content, credit, and schedule to be arranged by the department head. Prerequisites: senior standing, 3.0 GPA in major and permission of department head.

Psychology

Taylor Hall 206, 417.625.9315

Faculty Murdock-Head, Babbitt, Cathey, Cochran, A. Cole, C. Cole, Griffin, Huffman, McDermid

The psychology department offers two degrees: the bachelor of arts (B.A.) and the bachelor of science (B.S.). Both degrees have the same requirements in the core and psychology. The B.A. includes an emphasis on foreign language; the B.S. includes an emphasis in math or science. Both degrees prepare students for careers that require a broad liberal arts education at the bachelor's level. Recent graduates with the bachelor's degree (B.A. & B.S.) have entered careers in human and social services, research, and business. The B.A. and B.S. degrees provide an excellent foundation for students who wish to earn advanced graduate degrees or go to professional school. Almost half of the recent graduates have entered into graduate programs.

Many psychology courses are taken by students with other majors. Psy 100 fulfills a requirement in the Core Curriculum. Several degrees require supporting courses in psychology. Students may also obtain a minor in psychology.

Student Organizations

Psychology Club is open to all students who are interested in psychology. The club provides an informal setting for students to learn more about psychology. The club sponsors a wide variety of social and intellectual activities each semester.

Psi Chi is the national honor society in psychology. Psi Chi recognizes academic excellence and stimulates further scholarship. Psi Chi members are invited to participate in national and regional professional organizations. Locally the Psi Chi members share many activities with the Psychology Club.

Bachelor of Arts in Psychology

Semester Hours

	uirements (p. 33)	51
	y Requirements	46
Psy 100	General Psychology *	3
Psy 305	Child & Adolescent	
0.0	Development (4)	
OR		
Psy 300	Child Development (3)	
AND		
Psy 301	Adolescent	
	, ,	1-6
Psy 320	Applied Statistics	3
Psy 325	Computers in the	
	Behavioral Sciences	3
Psy 330	Experimental Psychology	15
Psy 386	Conditioning & Learning	3
Psy 411	Sensation & Perception	
OR		
Psy 415	Animal Behavior	
OR		
Psy 442	Physiological Psychology	/3
Psy 341	Social Psychology	
OR	o o o o o o o o o o o o o o o o o o o	
Psy 422	Theories of Personality	3
Psy 390	Junior Seminar	1
Psy 443	Memory & Cognition	3
Psy 452	History & Systems	
,	of Psychology	3
Psy 481	Senior Thesis	3
Psychology		9
Supporting		15
Capporting	, Alou	13

The supporting area requires at least 15 hours in one discipline other than psychology or a combination of areas is possible with approval of the adviser and the department head.

Foreign Language* 12
Elective 6
124

*This course meets a 3 hr. core requirement

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Bachelor of S	cience
in Psycholog	У

Semester Hours Core Requirements (p. 33) 46 **Psychology Requirements** Psy 100 General Psychology * Psy 305 Child & Adolescent

Development OR Psv 300 Child Development (3) AND

Adolescent Psy 301 4-6 Development (3) Psy 320 **Applied Statistics** 3 Psy 325 Computers in the

Behavioral Science Experimental Psychology 5 Psy 330 Conditioning & Learning 3 Psv 386 Psy 411 Sensation And Perception

OR Psy 415 **Animal Behavior** OR

Psv 442 Physiological Psychology 3 Psy 341 Social Psychology OR Theories of Personality 3 Psy 422 Psy 390 Junior Seminar 1 Memory & Cognition 3 Psy 443

History and Systems Psy 452 of Psychology 3 Psy 481 Senior Thesis 3

Psychology Electives 9 **Supporting Area**

The supporting area requires at least 15 hours in one discipline other than psychology or a combination of areas is possible with approval of the adviser and the department head.

Additional hours of science, computer science or math that do not fulfill any other requirements 6 Electives

*These courses meet a 3 hour core requirement.

Minor in Psychology

General Psychology 3 Psv 100 Psy 305 Child & Adolescent Development (4) OR Psv 300 Child Development AND Psy 301 Adolescent Development (3) 3-4 Psv 320 Applied Statistics 3 Psychology Electives* 11-12 A minor in psychology complements many majors providing knowledge and skills concerning personal, interpersonal, and group behavior. A psychology adviser will help students minoring in psychology to select method and content courses appropriate to their goals.

Suggested Order of Study

Bachelor of Arts Major Code 2001 **Psychology Major**

Freshman Year

1st Semester Course Hours Psy 100 General Psychology 3 Psy 120 College Orientation 1 CORE [Eng 101 Comp 1 (WI)] 3 [Math 125, 130, 131] 3 CORE CORE [Core Electives] 5 15

2nd Semester Psy 305 Child & Adolescent Dev CORE [Eng 102 (WI) (Eng 101)] [Bio 101 Gen Bio] CORE CORE [Core Electives]

Sophomore Year

15

124

21

1st Semester Applied Stat (Psy 100) 3 Psy 320 Psy 341 Social Psychology* OR Sensation & Perception* Psy 411 OR 3 Psy 415 Animal Behavior* 6 CORE [Core Electives] 3 Foreign Language 15

2nd Semester Com in Behav Sci (Psy320) 3 Psy 325 3 Psychology Elective Supporting Area 3 3 [Core Elective] 3 Foreign Language 15

Junior Year 1st Semester Psy 330 Exper Psy (WI) (Psy 325) Supporting Area CORE [Core Elective] Foreign Language

2nd Semest	er	
Psy 390	Junior Seminar** (WI)	1
Psy 442	Physiological Psy**	
OR		
Psy 422	Theories of Personality**	3
Psy 386	Conditioning & Learning	
	(Psy 320)**	3
Supporting /	Area	6
CORE	[Core Elective]	2
Foreign Lan	guage	3
		18

Senior Year

1st Semester Mem & Cog (Psy330)* 3 Psy 443 6 Psychology Elective 3 Supporting Area [CORE Elective] 3 CORE 15

2nd Semester

Lina Comiocia	31	
Psy 452	History & Sys (Psy 330)**	3
Psy 481	Senior Thesis (WI)	3
CORE	[CORE Elective]	3
Electives		5
		14

*Offered fall semester only **Offered spring semester only (Prerequisites) [Department Recommendations]

Bachelor of Science Major Code 2000 **Psychology Major**

Freshman Year

4

3

4

6

17

5

3

4

3

15

1st Semest	er	
Psy 100	General Psychology	3
Psy 120	College Orientation	1
CORE	[Eng 101 Comp I (WI)]	3
CORE	[Math 125,130 or 131]	3
CORE	[CORE Electives]	5
		15

2nd Semester

Psy 305	Child/Adolescent Dev	4
CORE	[Eng 102 (WI) (Eng 101)]	3
CORE	[Bio 101 Gen Biology]	4
CORE	[CORE Electives]	6
		17

Sophomore Year

oopiioiiioio		
1st Semeste	r	
Psy 320	Applied Stat (Psy 100)	3
Psy 341	Social Psychology*	
OR '		
Psy 411	Sensation & Perception*	
OR		
Psy 415	Animal Behavior*	3
CORE	[CORE Electives]	6
Science		3

^{*}Select with approval of a psychology adviser.

Psychology / 163

0	Psychology E Supporting Ar	Com in Behav Sci (Psy 320 lective	3 3 3 3 15
•	Supporting Ar	Exper Psy (WI) (Psy 325)	5 3 6 3 17
•	Psy 442 OR Psy 422 Psy 386 Supporting Ar	Junior Seminar** (WI) Physiological Psy** Theories of Personality** Condition & Learning	1 3 3 6 3 16
•	Psychology E Supporting Ar		3 6 3 3 15
•	Psy 481	History & Sys (Psy 330)** Senior Thesis (WI) CORE Elective]	3 3 3 5 14
0	(Prerequisites	ng semester only	
•	science, chen addition to all o	ments re required from math, cornistry, biology and/or physother requirements. These reguage requirement.	ics,
	For additiona	al information contact:	

Dr. Gwen Murdock

Office: Taylor Hall 209

Phone: 417.625.9504

E-mail: murdock-g@mail.mssc.edu

Course Descriptions

Psy 100 (F,S)

3 hrs. cr.

General Psychology

Introductory course stressing the importance of the psychological mechanisms underlying all human behavior. Satisfies the CORE Curriculum requirement.

Psy 100 (F)

3 hrs. cr.

General Psychology-Honors

The same topics as general psychology above. Designed and specially taught for honors students. Other students permitted with consent of instructor.

Psv 105

1 hr. cr.

Career and Life Planning

Materials and methods to help students investigate their present lifestyles including concrete methods of decision making and goal setting. Concentrated career/vocational choice sessions will help students determine an appropriate career. Offered during the second half of each semester. No credit toward psychology major or minor.

Psy 120 (F,S)

1 hr. cr.

College Orientation

A requirement for all incoming freshmen. Provides a small group setting for open communication between students in an informal situation. Content focuses on practical knowledge necessary for academic survival, adviser assignment, and current issues of concern. Regular course withdrawal procedures do not apply. No credit toward psychology major or minor.

Psy 221 (F,S)

3 hrs. cr.

Personal Adjustment

Selected principles of adjustment, ways of improving adjustment and research of practical value. Some emphasis on assertion skills.

Psy 282 (F)

3 hrs. cr.

Applied Behaviorism

Techniques of modifying behavior through principles developed by learning psychology. Emphasis on design and implementation of behavioral strategy in the laboratory, as well as practical settings. Prerequisite: Psy 100.

Psy 298 (Demand)

1-3 hr. cr.

Special Topics in Psychology

Special topics in psychology not normally in-

cluded in other courses. Prerequisites to be determined by the department.

Psy 300 (F,S)

Child Development

3 hrs. cr.

The course covers development from conception to late childhood, including physical, cognitive, emotional and social development. Theories and methods of developmental psychology will be discussed. The course material will include a variety of individual and group activities. Prerequisite: Psy 100. No credit will be given if Psy 305 has been completed.

Psy 301 (F,S)

3 hrs. cr.

Adolescent Development

The course covers adolescent development, including physical, cognitive, emotional and social development. Theories of adolescent development will be presented, as well as the contextual influences of family, peers, school, and culture. The course material will include a variety of individual and group activities. Prerequisite: Psy 100. No credit will be given if Psy 305 has been

Psy 302 (F,S)

2 hrs. cr.

The Exceptional Child

A series of awareness experiences which deal with the added complexities an exceptional child presents to a regular classroom teacher. Includes characteristics of the exceptional child, resources in the community, and legislation which determines school policy. Prerequisite: Psy 100.

Psy 305 (F,S)

Child & Adolescent Development

Aspects of human development during conception, infancy, childhood, transescence to adolescence will be examined, including, physical, emotional, social, and cognitive development. Emphasis will be given to theoretical frameworks and their practical implications. Cross-cultural variety will be included wherever appropriate. Prerequisites: Psy 100. One hour credit will be given if Psy 300 or Psy 301 have been completed.

Psy 310 (F,S)

2 hrs. cr.

Educational Psychology

Psychological problems involved in education and the practical application of psychological principles of teaching. Special emphasis on the learner, the learning process, and the learning situation. Prerequisite: Psy 100.

Psy 320 (F,S)

3 hrs. cr.

Applied Statistics for the **Behavioral and Natural Sciences**

The course includes descriptive and inferential techniques. The analysis and interpretation of data is emphasized. Prerequisites: Psy 100 (or permission) and Math 110, 130 or 131.

Psy 325 (F,S)

3 hrs. cr.

Computers in the Behavioral Sciences

Applications of computers in behavioral sciences with an emphasis on statistical analysis, data collection, and report generation. Prerequisite: Psy 320.

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5 hrs. cr.

Experimental Psychology (Writing Intensive) The research process is the foundation for knowledge in the field of psychology. This laboratory course stresses the acquisition of basic skills in conceiving and carrying out research, as well as analyzing results and writing reports in a professionally acceptable manner. Prerequisite or corequisite: Psy 325

Psy 341 (F)

3 hrs. cr.

Social Psychology

Introduction to the study of individuals' thoughts, feelings, and behaviors as they are influenced by their social environment, including interpersonal, intragroup, and intergroup influences. Prerequisite: Psy 100.

Psy 343 (Demand)

3 hrs. cr.

Human Sexuality

Surveys current research and theory related to human sexuality. Human sexual behavior and attitudes will be viewed from biological, psychological, historical, and cultural perspectives. Prerequisites: Psy 100.

Psy 386 (S)

3 hrs. cr.

Conditioning & Learning

Leading theories and research in the field of learning. Topics include Non-Associative Learning, Classical Conditioning, Instrumental Learning, Stimulus Control of Behavior, Punishment, Avoidance Behavior, and Cognitive Processes. Prerequisite: Psy 320.

Psy 390 (S)

1 hr. cr.

Junior Seminar (Writing Intensive) For Junior Psychology majors. Information & experiences helpful in making decisions about and preparing for careers, emphasizing preparation for either graduate school or baccalaureate level employment. Corequisite or Prerequisite: Psy 320.

Psy 411 (F, Even)

3 hrs. cr.

Sensation and Perception

Includes classical and modern psychophysical techniques. The physiology of various sensory systems, e.g. vision and audition, are examined in order to appreciate the nature of perception. Prerequisite: Psy 100.

Psy 412 (F,S)

2 hrs. cr.

Measurement and Evaluation in **Education and Psychology**

Explores theories and problems of measurement and the assessment of learning. Contemporary and classical approaches to measuring achievement in the educational setting are examined. Prerequisite: Psy 310 or consent of instructor.

Psy 415 (F,Odd)

Animal Behavior

3 hrs. cr.

Psy 452 (S) History and Systems of Psychology

Historical antecedents and their effects on contemporary scientific psychology. Prerequisite: Psy 330 or consent of instructor.

Psv 460 (Demand)

3 hrs. cr.

3 hrs. cr.

Advanced Research Projects

Advances the research skills in psychology beyond what is learned in Psy 330. Students will conceive, design, gather, and analyze the data and write up a naturalistic observation, a survey, or an experiment of their own choosing. Students will function as sole investigators or as members of a team. The final research project can serve as a pilot study for the students' senior thesis as well as provide a project for presentation at a professional research conference. Prerequisite: Psy 330 or permission of the instructor.

Psy 422 (S)

3 hrs. cr.

Theories of Personality

101 or permission of the instructor.

Survey of major contemporary theories of personality, issues of personality assessment, and current research. Prerequisite: Psy 100 and junior standing.

Research in animal behavior from a phylogenetic

and ontogenetic perspective. Includes theoreti-

cal approaches, ethological methods, ethical concerns, sensory capacities, learning, cognition,

and social behavior of animals. Field observa-

tions and experimental research for each topic.

Field trips are planned to supplement lectures

and discussions. Prerequisites: Psy 100 and Bio

Psy 432 (S)

3 hrs. cr.

Abnormal Psychology

Recognition and classification of the systems of mental disorders, specifying causes and possible therapeutic techniques. Extensive use of the American Psychiatric AssociationOs Diagnostic and Statistical Manual of Mental Disorders. Prerequisite: Psy 100.

Psy 435 (F,Odd)

3 hrs. cr.

Clinical Psychology

Survey of history, current methods, guild issues and future developments of clinical practice. Seminar format with considerable student participation. Prerequisites: Junior standing and 15 hours of psychology.

Psy 442 (S)

3 hrs. cr.

Physiological Psychology

Structure and function of the nervous system from the individual neuron to the behavior of the organism. The biological basis of movement, sleep, homeostasis, sexual behavior, emotion, learning, language, and abnormal behavior will be examined from an ontogenetic and phylogenetic perspective. Prerequisite: Psy 100.

Psv 443 (F)

3 hrs. cr.

Memory and Cognition

Designed to acquaint the student with the major issues and current research findings in the area of memory and cognitive processes. General topics include sensory, short-term and long-term memory; psychology and law; and artifical intelligence. Prerequisite: Psy 330.

Psy 450 (S)

3 hrs. cr.

Psychology of Human Resources

An interdisciplinary approach to traditional areas of human resource management/organizational psychology, including group interaction, communication, interviewing, compensation and benefits, and legal environment. Experiential and theoretical methods will be used. Prerequisite: Psy 100 or MM 350 or permission of instructor.

Psy 470 (Demand)

3 hrs. cr.

Psychological Measurement

Examines classical and contemporary theories and practices in psychological measurement. Students apply measurement theory in the construction of an original instrument and establish the properties of reliability and validity. Prerequisites: 12 hours of psychology course work including Psy 320.

Psy 481 (F,S)

3 hrs. cr.

(Writing Intensive) **Senior Thesis** Students design and conduct research projects resulting in a written thesis and an oral presentation. Prerequisite: Psy 330 and Senior Standing.

Psy 498 (Demand)

1-3 hrs. cr.

Seminar in Psychology

Specialized knowledge and/or current research in psychology. Topics vary by interest and demand. Number of weekly meetings equal to credit hours granted. Prerequisite: Junior-senior standing and consent of instructor. Some seminars are marked (H) in the class schedule and are intended for honors students. Other students may enroll in honors seminars with consent of instructor.

Psy 499 (Demand)

1-3 hrs. cr.

Independent Study

Course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration must be approved by adviser and department head.

Teacher Education

Taylor Hall 232, 417.625.9309

Faculty Abight, Cade, Cox, Faine, Freeman, Overdeer, Pulliam, Roberts, Scholl, Smith, Spencer

All teacher education programs have been approved by the Missouri Department of Elementary and Secondary Education (DESE) and accredited by the National Council for the Accreditation of Teacher Education (NCATE).

Program Objectives

Objectives for all programs in teacher education can be found in the *Teacher Education Program Policy Handbook For Faculty* and in the *Teacher Education Program Policy Handbook for Students*. Objectives for the student teaching program can be found in the *Policy Handbook for Student Teachers, Cooperating Teachers, and College Supervisors*.

Teacher Education

The descriptions of the teacher education programs and the requirements that are listed for each program in teacher education in this catalog are subject to change during the period that this catalog is in use. As changes are made by the State Department of Elementary and Secondary Education (DESE), legislative and regulatory bodies, and accrediting agencies, candidates in the program will be alerted through the advising process. Teacher education candidates are responsible for their programs of study. They are encouraged to obtain degree plan sheets for the program they are pursuing and work closely with their advisers.

Eligibility for current certification is a requirement for graduation. Transfer students with a Missouri Associate of Arts degree will need to meet several MSSC core requirements. The assistant teacher certification officer, Taylor Hall 222, must complete a transcript evaluation as the core is not automatically complete for certification.

The teacher education program consists of the Teacher Education Department and Secondary Education Committee, the Teacher Education Council (which serve as the governing unit), and the Committee on Admission and Retention. The Teacher Education Department oversees all teacher education programs and is specifically responsible for the elementary education program grades 1 through 6; early childhood education program, birth through grade 3; middle school program, grades 5 through 9; special education programs, grades K through 12; and TESOL program grades K through 12.

The Dean of the School of Education is the chief spokesperson for the teacher education program and in this capacity is the chief administrator responsible for the teacher education programs. The dean serves under the direction of the President of the College and the Vice President for Academic Affairs.

The teacher education program is based on a conceptual framework that defines the role of the teacher as an educational decision maker. In this role, the teacher must make decisions about pedagogical design and lesson design. Decisions concerning pedagogical design include those regarding classroom management, curriculum development, field experiences, technology, and program evaluation. Decisions about lesson design include communications, use of science, technology, and the arts, problem solving, values clarification, intellectual domains, and social institutions. An extension of the role of the teacher as an educational decision maker includes the teacher as a learner, provider of services, researcher, and change agent.

Central to the preparation for teaching is the conceptual framework, composed of knowledge, skills, and techniques that have been gathered from research, reported effective practices, and learned societies in such areas as human growth and development, learning theory, assessment, cultural diversity and special needs, curriculum content, psychological, sociological, historical, and philosophical foundations, principles of effective instruction, and school effectiveness.

In order to be an effective educational decision maker, the teacher must possess certain knowledge, cognitive abilities, and pedagogical skills. These are included in the following 10 standards:

 The preservice teacher understands the central concepts, tools of inquiry, and structures of the discipline(s) within the context of a global society and creates learning experiences that make these aspects of subject matter meaningful for students.

- The preservice teacher understands how students learn and develop, and provides learning opportunities that support the intellectual, social, and personal development of all students.
- The preservice teacher understands how students differ in their approaches to learning and creates instructional opportunities that are adapted to diverse learners.
- The preservice teacher recognizes the importance of long-range planning and curriculum development and develops, implements, and evaluates curriculum based upon student, district, and state performance standards.
- The preservice teacher uses a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills.
- The preservice teacher uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.
- The preservice teacher models effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the classroom.
- The preservice teacher understands and uses formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social and physical development of the learner.
- 9. The preservice teacher is a reflective practitioner who continually assesses the effects of choices and actions on others. This reflective practitioner actively seeks out opportunities to grow professionally and utilize the assessment and professional growth to generate more learning for more students.
- The preservice teacher fosters relationships with school colleagues, parents and educational partners in the larger community to support student learning and well-being.

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Admission to the Teacher Education Program

After the candidate declares a major in teacher education, two levels of admission to the teacher education program exist.

The first level is application for tentative formal admission.

Applications for tentative formal admission to the teacher education program may be filed with the Dean of the School of Education after the candidate has declared a teacher education major and successfully completed 55 semester hours of prescribed course work, including current semester enrollment. The deadline for application is the third week in February for those seeking formal admission in the subsequent fall semester. The deadline for application for those seeking admission in the spring semester is the third week in October.

Students must have tentative formal admittance before courses can be taken in professional education. Courses with an EDUC prefix cannot be taken until the Junior Block (Educ 329, 321, & 423) has been completed, except for Educ 100, Educ 200, and Educ 302, which may be taken at any time. Educ 301 must be taken before or concurrently with the Junior Block. Educ 316, Educ 324, Educ 342, Educ 380, Educ 422, and Educ 480 may be taken concurrently with the Junior Block classes.

Qualifications for tentative formal admission include the following:

- Submit a completed application that is signed by the candidate's adviser.
- Have a cumulative GPA of 2.75 in all course work. All candidates in education must maintain a cumulative GPA of 2.5 in their teaching areas, e.g., art, mathematics, elementary education, etc.
- Pass all sections of the Missouri C-Base Test with a minimum score of 235. (This test is not required of post baccalaureates.)
- Have a composite ACT enhanced score of 20 or a SAT (VM) of 800.
- Submit a hand-written autobiography in correct and coherent standard English. The autobiography must be read and approved by the candidate's adviser.

- 6. Submit a passing evaluation in speech from the communications department.
- 7. Convicted felons must identify themselves by so indicating on the application for admission form. Upon identification the candidate will need to make certain documents and information available to the Admissions and Retention Committee of the Teacher Education Program, i.e., conviction status, probation information, recommendations from court and public officials associated with the conviction. This process must be repeated when application is made for student teaching. There is a process that convicted felons must follow before consideration is given for certification in the State of Missouri. Failure to identify oneself will cause the candidate to be immediately removed from the program.

When candidates complete these qualifications, they will receive tentative formal admission to the teacher education program and notification from the Dean. Candidates who fail to gain tentative formal admission also will be notified by the Dean. Reasons for failure to gain tentative formal admission will be stated, along with suggested corrective measures, should the candidate wish to continue pursuing formal admission.

The second level is full formal admission, which is granted after the candidate successfully completes the eight credit hour Junior Block: Educ 329, Pedagogical Theory, Methods, and Practices; Educ 321, Micro Teaching; and Educ 423, Classroom Management. The candidate must be recommended by the instructors of these courses. The candidate must maintain a cumulative GPA of 2.75. If at any point in the program a candidate's GPA drops below accepted levels, the candidate will be dismissed from the teacher education program.

Grades below a "C" in professional education courses will not be accepted for the degree requirements in teacher education. Candidates seeking certification in elementary education, middle school education, secondary education, special education, and early childhood education must have a grade of "C" or better in each of the courses in these certification areas.

 The following list are courses at MSSC that must have a grade no lower than a "C". The Department of Elementary and Secondary Education (DESE) classifies these courses under professional requirements as foundations of teaching, teaching methods, elementary school courses, and clinical experiences.

A) ALL "Educ" prefix classes

B) Psychology classes:

Psy 100 General Psychology

Psy 300 Child Development

Psy 301 Adolescent Development

Psy 305 Child/Adolescent Dev

Psy 310 Educational Psychology

Psy 412 Measurement & Evaluation

C) Education Requirements & General Education where applicable:

Geog 211 Regions & Nations 3 Econ180 American Economic Sys 3 Math 119 Math Elem, Tch I Math 120 Math Elem Tch II 3 3 Eng 325 Children's Literature 2 Art 220 Art Education Mus 332 Music for Elem Sch Kine 311 PE for Elem Sch 2 Kine 340 Motor Learning Kine 370 School Health

Candidates qualifying for formal admission to the program will be notified in writing by the Dean. The date of formal admission will be entered on the candidates's record by the Registrar. Candidates who have not met the criteria will also be notified and corrective measures suggested.

Admission to Student Teaching

After completion of Educ 329, Pedagogical Theory, Methods, and Practices, but before the professional semester, candidates in early childhood education, elementary education, middle school education, and special education take approximately 26 or more hours of work in professional education and in a teaching specialty. During this time the candidate must maintain a cumulative GPA of 2.75 or better and a GPA of 2.5 or better in the teaching specialty. The candidate must earn a "C" or better in all professional education courses, and must retake courses in which a grade lower than "C" is earned. The candidate is expected to maintain those personal and professional requirements that were met as part of the admission requirements to teacher education. Requirements that must be met prior to admission to student teaching are:

- Be fully admitted to the teacher education program.
- 2. Have a cumulative GPA of 2.75.
- Have all previous course work completed at the time of student teaching.

- Have a completed application for student teaching on file at least one semester prior to the student teaching semester.
- 5. Have a grade of "C" or better in each professional education course.
- Have an approved typewritten autobiography on file. The autobiography must consist of two or more paragraphs.
- Convicted felons must complete the form provided upon applying for admission to student teaching.

The student teaching program is designed for candidates who have met all of the requirements for student teaching at Missouri Southern State College.

Attendance is required at a student teaching orientation the semester prior to student teaching. This orientation is held the second week of the semester. Attendance is also required at student teaching seminars. These seminars are held during the student teaching semester.

Graduation Requirements

In order to graduate from the Teacher Education Program, the candidate must successfully complete the following exit requirements, in addition to all other academic requirements of the College:

- Demonstrate mastery of pedagogical knowledge and skills included in the 10 standards which are required of all teacher education students.
- Submit a portfolio of the candidate's work in the teacher education program for faculty assessment.
- Have a cumulative GPA of 2.75 or higher.
- Have a cumulative GPA of 2.5 or higher in the teaching specialty area.
- 5. Pass the Teaching Specialty Exam, currently the ETS PRAXIS II Series.
- Successfully complete student teaching requirements.
- As part of the authentic assessment procedures, each candidate must have a successful exit interview.
- 8. Pass an FBI background check.
- Be eligible for current Missouri teacher certification.

Advisement

Advisers will be assigned to candidates upon admission to the college. For those without advisers, freshmen with declared majors in teacher education will have an adviser assigned as part of Educ 100, Introduction to Teacher Education I, and sophomores declaring a major in teacher education will be assigned advisers in Educ 200, Introduction to Teacher Education II. It is strongly recommended that all secondary teacher education majors have advisers in their teaching specialty area, due to the many specific course requirements and entrance and exit requirements for teacher education. Effective academic advisement is a partnership, with advisees taking responsibility for course work and degree completion.

Post-graduates holding Missouri certificates must have the Missouri State Department of Elementary and Secondary Education (DESE) evaluate their transcripts and make recommendations for course work that will lead to certification. After a plan sheet is received by the candidate, the requirements specified by DESE may be translated into MSSC courses by the Assistant Certification Officer in the Office of the Dean.

All students who enter Missouri Southern as freshmen teacher education candidates are required to take Educ 100, Introduction to Teacher Education I, during their freshman year and Educ 200, Introduction to Education II, during their sophomore year. Students who transfer into MSSC at the point of formal admission into the Teacher Education Program are not required to take these two courses.

Psychology Requirements

All teacher education majors must take Psy 310 Educational Psychology.

Elementary education candidates (grades 1 through 6) and early childhood education candidates (Birth through grade 3) must take Psy 100 General Psychology and Psy 300 Child Development.

Middle school education candidates (grades 5 through 9), must take Psy 100 General Psychology and Psy 305 Child/Adolescent Development.

K-12 candidates, including special education candidates (grades K through 12), music education candidates (grades K through 12), art education candidates

(grades K through 12), physical education candidates (grades K through 12), foreign language education candidates (grades K through 12), TESOL candidates and reading concentration candidates (grades K through 12) must take Psy 100 General Psychology and Psy 305 Child/Adolescent Development.

Secondary education candidates in business education, English education, mathematics education, social studies education, speech/theatre education, or unified science education must take Psy 100 General Psychology and Psy 301 Adolescent Development.

Certification

Candidates majoring in elementary education, elementary education/early childhood education, elementary education/special education, middle school education, secondary education, or K-12 education, who successfully complete the requirements for this degree will be recommended for the Professional Certificate-I teaching certificate. This is a probationary certificate that is granted for three years. Additional certification is granted by the Missouri Department of Elementary and Secondary Education. Students with degrees from MSSC or another institution who wish to be certified in the State of Missouri must meet all of the requirements that are set forth in this catalog for the B.S.E. degree. All programs are designed to exceed minimal requirements for certification. Programs of study and courses required may be obtained through the Assistant Certification Officer in the Office of the Dean and in the Teacher Education Department.

Exceptions to the Core Requirements: Physical Education Requirements

All teacher education candidates must meet the Core Curriculum requirements with the exception of elementary education, early childhood education, special education, or TESOL education candidates. These candidates are not required to take Kine 101, P. E. Activities, and Kine 103, Lifetime Wellness. In place of these two courses, these teacher education candidates are required to take Kine 370, School Health Education, and Kine 311, Physical Education for the Elementary School.

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Bachelor of Science in Education (B.S.E.) - Elementary Education

Area of Concentration

Candidates who elect elementary education (grades 1 through 6) as their teaching area must complete an area of concentration consisting of a minimum of 21 hours. This requirement may be met in one of two ways as follows:

Option 1: A collection of 21 hours of approved courses in an area of study, including art, English, mathematics, music, reading, science, social studies, speech/theatre, or other approved area.

Option 2: An added certification in an area of study, such as early childhood education (Birth-Grade 3), special education (K-12), or TESOL (K-12). A course of study for these certificates is available in the teacher education department office. The elementary professional education sequence (1-6) must be followed along with the selected area of the added certificate.

1-6 Elementary Professional Education courses (Option 1)

Ludcation	courses (option 1)	
		Hours
Math 119	Math Elem. I	3
Math 120	Math Elem. II	3
Eng 325	Children's Lit.	3
Art 220	Art Education	2
Mus 332	Mus for the Elem. Tch.	2
Kine 311	P.E. for the Elem. Tch.	2
Kine 370	School Health	3
Psy 300	Child Development	3
Psy 310	Educ. Psychology	2
Educ 100	Intro to Teacher Ed. I	1
Educ 200	Intro to Teacher Ed II	1
Educ 301	Use of Computer Sftwre	3
Educ 302	Exceptional Child	2
Educ 311	Sci in the Elem. & M.S.	3
Educ 312	Problms in Tchg Arith.	3
Educ 322	Soc. Stds in the Elem & MS	S 3
Educ 329	PTMP	4
Educ 321	Mictoteaching	2
Educ 423	Classroom Mgmt	2
Educ 340	Language Arts	2
Educ 342	Developmental Rdg	3
Educ 343	Content Area Lit: MS	3
Educ 402	Foundations in Educ.	2
Educ 432	Critical Issues	2
Educ 470	Diagnostic & Rmdl Rdg.	3
	Educ or Psy Electives	4-6
Educ 442	Student Teaching Elem.	8

K-12 Special Education (Option 2)

		Hours
Educ 324	Intro to Sp. Ed.	3
Educ 348	Transition Services	2
Educ 410	Tch Mld/Mod Cross-C	3
Educ 420	Intro to Counseling	3

Educ 430	Language Development	3	Educ 402	Foundations of Educ.	2
Educ 446	Practicum in Sp. Ed.	3	Educ 412	Phil, Org. & Curr.	2
Educ 403 or	404 or 405 Methods	3	Educ 413	Mthds Tchg in Mid. Grds.	2
Educ 474	Ed Psy Testing	3	Educ 432	Critical Issues	2
Educ 444	Student Teaching Sp Ed.	8	Educ 452	Student Teaching Middle S.	8

B-3 Early Childhood Education (Option 2)

		Hours
Kine 340	Motor Learning	2
Educ 316	Fds, Issue, Trnds-ECE	2
Educ 317	Curr - ECE	3
Educ 318	Meths-Mats ECE	3
Educ 319	Practicum Meths-Mats EC	E 2
Educ 323	Utlizing Fam. & Com.	3
Educ 408	Assessment ECE & Prac.	4
Educ 430	Language Development	3
Educ 442	Student Teaching Elem.	8

K-12 TESOL (Option 2)

		Hours
Eng 301	Modern Grammar	3
Educ 380	Theories/Sec. Lang.	3
Educ 381	Theories of TESOL	3
Educ 480	Methods of TESOL	3
Educ 481	Mat. Dev. & Assmt TESOL	3
Educ 482	Pract. TESOL	3
Educ 422	Content Area Lit: Sec.	2
Educ 342	Developmental Rdg.	3
Elective	or other approved course	3
Educ 442	Student Teaching	8

Bachelor of Science in Education - Middle School

Candidates who elect middle school (grades 5-9) as their major must complete two areas of certification consisting of 22-32 hours in each area. The curriculum for these areas is a joint effort by the departments of teacher education and the teaching specialty. Students who desire to teach in a middle school may choose to become certified in any two of the following seven areas: Language Arts (English), Math, Science, Social Studies, Business, Industrial Technology, Speech/Theatre.

5-9 Middle School Professional Education courses

		Hours
Math 119	Math Elem I	3
Math 120	Math Elem II	3
Psy 305	Child/Adolescent Dev.	4
Psy 310	Educ Psychology	2
Psy 412	Meas. & Eval	2
Educ 100	Intro to Tchr Educ I	1
Educ 200	Intro to Tchr Edu II	1
Educ 301	Use of Cmptr. Sftwre	3
Educ 302	Exceptional Child	2
2 cont. area	methods courses	4-6
(Educ 311	, 312, 322, 336, 340, 344,	330)
Educ 321	Microteaching	2
Educ 329	PTMP	4
Educ 423	Classroom Management	2
Educ 342	Developmental Rdg.	3
Educ 343	Content Area Lit: MS	3

Core and department requirements for the middle school professional education courses total 100 hours. The number of hours added to this core depends on the two content areas chosen. The possible choices and hours are listed below.

Soc.Stu/.English	=	31
· · · · · · · · · · · · · · · · · · ·	_	36
English/Sci		
English/Math	=	36
Soc.Stu./Sci	=	30
Soc.Stu./Math	=	30
Sci/Math	=	38
Sci/Industrial Tech	=	43
Sci/Business	=	42
Speech&Theater/Soc.Stu.	=	37
Speech&Theater/English	=	43
Speech&Theater/Sci	=	45
Industrial Tech/Soc.Stu.	=	35
Industrial Tech/Speech		
&Theater	=	50
Industrial Tech/English	=	41
Business/Soc.Stu.	=	34
Business/Industrial Tech	=	47
Business/Speech&Theater	=	49
English/Business	=	40
Math/Speech&Theater	=	45
Math/Industrial Tech	=	43
Math/Business	=	42

Total Hours for degree in Middle School:

Soc.Stu/.English

English/Sci	=	136
English/Math	=	136
Soc.Stu./Sci	=	130
Soc.Stu./Math	=	130
Sci/Math	=	138
Sci/Industrial Tech	=	143
Sci/Business	=	142
Speech&Theater/Soc.Stu.	=	137
Speech&Theater/English	=	143
Speech&Theater/Sci	=	145
Industrial Tech/Soc.Stu.	=	135
Industrial Tech/Speech		
&Theater	=	150
Industrial Tech/English	=	141
Business/Soc.Stu.	=	134
Business/Industrial Tech	=	147
Business/Speech&Theater	=	149
English/Business	=	140
Math/Speech&Theater	=	145
Math/Industrial Tech	=	143
Math/Business	=	142
	English/Math Soc.Stu./Sci Soc.Stu./Math Sci/Math Sci/Industrial Tech Sci/Business Speech&Theater/Soc.Stu. Speech&Theater/English Speech&Theater/Sci Industrial Tech/Soc.Stu. Industrial Tech/Speech &Theater Industrial Tech/English Business/Soc.Stu. Business/Industrial Tech Business/Speech&Theater English/Business Math/Speech&Theater Math/Industrial Tech	English/Math = Soc.Stu./Sci = Soc.Stu./Math = Sci/Math = Sci/Industrial Tech = Sci/Business = Speech&Theater/Soc.Stu. = Speech&Theater/English = Speech&Theater/Sci Industrial Tech/Soc.Stu. = Industrial Tech/Speech & &Theater = Industrial Tech/English = Business/Soc.Stu. = Business/Industrial Tech = Business/Speech&Theater = English/Business = Math/Speech&Theater = Math/Industrial Tech = Soc.Stu. = Business/Speech&Theater = English/Business = Math/Speech&Theater = Math/Industrial Tech = Soc.Stu. =

Bachelor of Science in Education-Secondary Education or K-12

The curriculum for secondary education is a joint effort of each department supporting a teaching specialty area and the teacher education department.

The candidate who desires to teach in a secondary school may choose to become qualified in a single teaching field with a high degree of specialization or in two different teaching fields with a lesser degree of specialization. Specialties available for secondary school teaching are:

- 1. Art K-12
- 2. Business Education 9-12
- 3. English 9-12
- 4. French K-12
- 5. German K-12
- 6. Industrial Technology 9-12
- 7. Mathematics 9-12
- 8. Music K-12 (Vocal and/or Instrumental)
- 9. Physical Education K-12
- 10. Social Studies 9-12
- 11. Spanish K-12
- 12. Speech/Theatre 9-12
- 13. Unified Science 9-12 (with emphasis in biology, chemistry, or physics)

Plan A: (Double Teaching Field)

Plan A is intended for those who desire to qualify as teachers in two different subject matter areas. Each area requires a minimum of 30 semester hours of specific course work which must meet minimum Missouri State Department of Elementary and Secondary Education requirements. Plan A is not available in social science or unified science. If Plan A is selected, a second teaching field is required.

Plan B: (Single Teaching Field)

Plan B is intended for persons who wish to concentrate teacher preparation in one subject matter area only. Forty or more semester hours are required in the subject matter area or related supporting courses listed in this catalog by department.

The Teaching Specialty for Secondary Education K-12/9-12

Candidates in secondary education must meet the same core requirements as all MSSC students. Depending on the teaching specialty, these candidates will differ in the order in which they take the Core Curriculum requirements. Each specialty area has a sequence of courses for the teaching specialty. Candidates should refer to the catalog under the teaching specialty.

K-12 Professional Education Courses:

		Hours
Psy 305	Child/Adolescent Dev.	4
Psy 310	Educational Psy	2
Educ 100	Intro to Tchr Educ. I	1
Educ 200	Intro to Tchr Educ II	1
Educ 301	Use of Cmptr. Sftwr	3
Educ 302	Exceptional Child	2
Educ 321	Microteaching	2
Educ 329	PTMP	4
Educ 335,33	7,338,345 (Methods Course	e) 2
Educ 402	Foundations of Educ.	2
Educ 412, or	420, or Psy 412 (Elec.)	2-3
Educ 422	Content Area Lit.: Sec	2
Educ 423	Classroom Management	2
Educ 432	Critical Issues	2
Educ 464	Student Teaching K-12	8

9-12 Secondary Professional Education Sequence:

Psy 301	Adolescent Development	3
Psy 310	Educational Psy	2
Educ 100	Intro to Tchr Educ. I	1
Educ 200	Intro to Tchr Educ II	1
Educ 301	Use of Comptr Sftwr	3
Educ 302	Exceptional Child	2
Educ 321	Microteaching	2
Educ 329	PTMP	4
Educ 330, 33	32, 333, 334, 336, 339, 344	
(Meth	ods Courses)	2
Educ 402	Foundations of Educ.	2
Educ 412, or	420, or Psy 412 (Elec.)	2-3
Educ 422	Content Area Lit: Sec	2
Educ 423	Classroom Management	2
Educ 432	Critical Issues	2
Educ 462	Student Teaching Sec.	8

Programs (Examples:)

1. Elementary Education Option I with a 21 hour concentration

Suggested Order of Study

Bachelor of Science in Education Elementary Education/ with Social Studies Concentration

Major Code 9007

Freshman year

1st Semest	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
,		4.4

2nd Semester

CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng 101)] (WI)	3
CORE	[Comm 100 Oral Comm]*	3
CORE	[Hist 110 U.S.1492-1877]	3
CORE	[Humanities/Fine Arts (2A)]	3
		15

(To meet state certification requirements the candidate in all elementary supported fields must take either Music or Art Appreciation to fulfill Area 2A as one of the three Humanities & Fine Arts requirements, page 33.)

Sophomore Year

st	C	01	m	00	to	r

Educ 200	Intro to Tchr Educ II	1
CORE	[Bio 101 General Bio]	4
CORE	[Hist 120 US 1877-present]	3
CORE	[Humanities/Fine Arts (2B)]	3
CORE	[PSc 120 Gov't:US/Sta/Loc]	3
Psy 300	Child Development	3
		17

2nd Semester

Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, candidate must retake the ACT.

less than 20,	candidate must retake the AC	CT.
CORE	[Humanities/Fine Arts (2C)]	3
Kine 311	PE in Elem School ***	2
CORE	[Phys 101]	5
Mus 332	Music for Elem School	2
Educ 301	Comp Software Clsrm**	3
		15

Junior Year

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before any course from the junior block forward with an "Educ" prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)

Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Dev Reading: Elementary	3
Kine 370	School Health Educ (WI)***	3
Educ 302	The Exceptional Child	2
		16

2nd Semester

Must be fully admitted to the Teacher Education

Program.		
Art 220	Art Education	2
Geog 211	Regions and Nations	3
Educ 343	Content Area M.S. (WI)	3
Educ 340	Language Arts	2
Educ 312	Prob of Tchng Arith	3
Psy 310	Educational Psy	2
		15

Senior Yea	r	
1st Semeste	er	
Eng 325	Children's Lit (WI)	3
Educ 470	Diag & Remdl Rdg	3
Educ 311	Tchng Sci Elem	3
	(Bio 101, Phys 101)	
Educ 322	Tchng Soc Studies	3
Elective @ @	@	2-3
		14-15

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2nd Semeste	er		
Educ 402	Foundations of Educ (WI)		2
Educ 432	Critical Issues		2
Elective @@			2-3
Educ 442	Student Teaching		8
		14	1-15

Total Elementary Education /with Social Studies Concentration 120-122#

@ @ Select two upper division EDUC or PSY electives. If Educ 420 is chosen as an elective, it must be taken before student teaching.

#Additional hours of coursework needed to fulfill the graduation requirement. See your adviser.

(Prerequisites)

[Department Recommendations]

*Candidate must have speech evaluation filed in the Dean's office.

**This is a certification requirement and must be taken by all teacher education candidates before or concurrently with the Junior Block.

***Meets the core requirements in Physical Edu-

Bachelor of Science in Education Elementary Education/ with Reading Concentration

Major Code 9000

Freshman year

ist semeste	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
		14

2nd Semeste	er	
CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng101)] (WI)	3
CORE	[Comm 100 Oral Comm]*	3
CORE	[Hist 110 U. S. 1492-1877]	3
CORE	[PSc 120 Gov't;US/Sta/Loc]	3
CORE	[Humanities/Fine Arts (2A)]	3
		18

(To meet state certification requirements the candidate in all elementary supported fields must take either Music or Art Appreciation to fulfill Area 2A as one of the three Humanities & Fine Arts requirements, page 33.)

Sophomore Year

ist Semeste		
Educ 200	Intro to Tch Educ II	1
CORE	[Bio 101 General Biology]	4
CORE	[Hist 120 US 1877-present]	3
Geog 211	Regions and Nations	3
CORE	[Humanities/Fine Arts (2B)]	3
CORE	[Humanities/Fine Arts (2C)]	3
		47

2nd Semester

Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, candidate must retake the ACT.

Art 220	Art Education	2
Psy 305	Child/Adolescent Dev	4
Kine 311	PE in Elem School ***	2
CORE	[Phys 101]	5
Educ 301	Comp Software Clsrm**	3
		16

Junior Year

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ" prefix can be taken. (Exceptions: Educ 100 Educ 200 Educ 301 and Educ 302)

100, Educ 20	10, Educ 301 and Educ 302)	
Educ 329	Ped Theory Methds Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Mgt	2
Kine 370	School Health Educ ***(WI)	3
Educ 302	The Exceptional Child	2
Educ 342	Dev Reading: Elementary	3
	A CONTRACTOR OF THE CONTRACTOR	16

2nd Semester

Must be fully admitted to the Teacher

Education Pi	rogram.	
Educ 474	Educ & Psy Testing	3
Mus 332	Mus Elem School	2
Educ 343	Content Area Lit: M.S. (WI)	3
Educ 470	Diag & Rmdl Rdg	3
Educ 340	Language Arts	2
Educ 312	Probs of Tchng Arith	3
		16

Junior Year - SUMMER

Educ 430	Language Development	3
Educ 471	Prac in Diag Rdg Diff	3
		6

Senior Year

1st Semeste	r		
Edua 200	Tohna	000	Ctudion

Educ 322	renng Soc. Studies	3
Eng 325	Children's Literature (WI)	3
Educ 311	Teaching Science Elem	3
	(Bio 101, & Phys 101)	
Educ 420	Intro to Counseling	3
Educ 422	Content Area Lit: Sec. (WI)	2
Psy 310	Educational Psychology	2
		16

2nd Semester

Total Eleme	entary Education /with	
		12
Educ 442	Student Teaching Elem.	8
Educ 432	Critical Issues	2
Educ 402	Found of Educ (WI)	2
Zila ociliost	OI .	

(Prerequisites)

[Department Recommendations]

Reading Concentration

*Candidate must have speech evaluation filed in the Dean's office.

**This is a certification requirement and must be taken by all teacher education students prior to the Junior Block or concurrently.

***Meets the core requirements in Physical Edu-

2. Elementary Education/Early Childhood Education - Option 2

Suggested Order of Study

Bachelor of Science in Education Elementary Education/Early Childhood Education

Major Code 9010

Freshman year

ist Semest	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
Psy 120	College Orientation	1
		14

2nd Semester

CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng 101)] (WI)	3
CORE	[Comm 100 Oral Comm]*	3
CORE	[Hist 110 U.S.1492-1877	3
CORE	[PSc 120 Gov't: US/Sta/Loc]	3
		15

Sophomore Year

1st Semeste	er
Educ 200	Intro to Tchr Educ II
CORE	[Bio 101 General Biology]
CORE	[Hist 120 US 1877-present]
Geog 211	Regions and Nations
CORE	[Humanities/Fine Arts (2A)]
CORE	[Humanities/Fine Arts (2B)]

(To meet state certification requirements the candidate in all elementary supported fields must take either Music or Art Appreciation to fulfill Area 2A as one of the three Humanities & Fine Arts requirements, page 33.)

2nd Semester

131

Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, candidate must retake the ACT

root triair Lo,	ourididate must retaine the ric	
Art 220	Art Education	2
Psy 300	Child Development	3
Kine 311	PE in Elem Sch ***	2
CORE	[Phys 101]	5
Kine 340	Motor Learning#	2
CORE	[Humanities/Fine Arts (2C)]	3
		17

Sophomore Year - SUMMER

Copiloliloic	Tour Committee	
Eng 325	Children's Literature (WI)	3
Educ 301	Comp Software Clsrm**	3
Educ 302	Exceptional Child	2
		0

	Junior Year		
	1st Semester		
		nust be tentatively admitted	
1	Teacher Edu	cation Program before course	es with
		fix can be taken. (Exceptions	: Educ
		00, Educ 301 and Educ 302)	
	Educ 329	Ped The Methds & Prac	4
	Educ 321	Microteaching	2
	Educ 423	Classroom Management	2
	Kine 370	School Health Educ (WI)***	3 2
	Educ 316	Found, Iss, Trnd ECE# Music in Elem Sch	2
	Mus 332	Music in Elem Sch	15
			15
	2nd Semeste	ar	
		admitted to the Teacher	
	Education Pr		
	Educ 342	Dev Reading: Elementary	3
	Educ 340	Language Arts	2
	Educ 312	Prob of Tchng Arith	3
	Educ 311	Teaching Science Elem	3
		(Bio 101, & Phys 101)	
	Educ 317	Curriculum – ECE#	3
	Educ 323	Util Fam Comm Res#	3
			17
	Junior Year		
	Educ 408	Assess & Pract in ECE#	4
	Educ 430	Language Development	3
			7
	Senior Year		
	1st Semester		
	Educ 343	Content Area Lit: M.S. (WI)	3
	Educ 470	Diag & Remdl Rdg	3
	Educ 318	Meth & Materials ECE#	3
	Educ 319	Prac Meth & Mat#	2
	Psy 310	Educational Psychology	2
	Educ 322	Tchng Soc Studies	3
			16
	2nd Semeste	er	
	Educ 402	Foundations of Educ (WI)	2
	Educ 432	Critical Issues	2
	Educ 442	Student Teaching Elem.	8
			12
		ntary Education/with	
1	Early Chil	dhood Education	138
1	-		
	(Prerequisite	s)	
	[Department	Recommendations]	
	*Candidate n	nust have speech evaluation	filed in
	11 - D 1	tt:	

the Dean's office.

cation.

**This is a certification requirement and must be

taken by all teacher education candidates prior to

***Meets the core requirements in Physical Edu-

#Courses specific to the Early Childhood Area of

Area of Emphasis - total semester hrs = 22

the Junior Block or concurrently.

3. Elementary Education/Special Education - Option 2

Suggested Order of Study

Bachelor of Science in Education Elementary Education/Special Education

Major Code 9009

Candidates who wish to certify in special education must certify in mild/moderate cross categorical disabilities and one of the following options:

Learning Disabilities K-12, Mental Handicaps K-12, Behavior Disorders K-12.

Beginning with the Junior Block, candidates may begin taking the required courses in special education. The first course in the sequence is Educ 324, Introduction to Special Education. This course introduces the certification options in special education offered at MSSC. This course must be taken before any of the methods courses in special education can be taken. The MSSC requirement is for all special education candidates to complete the cross-categorical methods course and one additional methods course in any of the three areas: mild/ moderate learning disabled, mild/moderate behavioral disordered, or mild/moderate mentally handicapped. An additional methods course in LD, MH, or BD, is required to provide the candidate with a depth of knowledge in a specific categorical area. The cross-categorical practicum satisfies the practicum requirement for both areas of certification, provided there is at least one student in the classroom with the targeted categorical eligibility.

Candidates student teach in cross-categorical disabilities and must meet all course requirements for that area, qualify for admission to student teaching, and then complete ten weeks student teaching in a cross-categorical classroom. That includes students in the additional category chosen.

Candidates who pursue these programs must carefully follow the suggested order of study for these categories.

Freshman '	Year
------------	-------------

1st Semeste		
Course		Hours
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]	3
CORE	[Comm 100 Oral Comm]*	3
Psy 120	College Orientation	1
		17

2nd Semester

Zilu Seilleste		
CORE	[Math 120 Math Elem II]	3
CORE	[Eng 102 (Eng 101)] (WI)	3
CORE	[Hist 110 US1492-1877]	3
CORE	[PSC 120 Gov't: US/Sta/Loc]	3
Educ 301	Comp Software Clsrm**	3
CORE	[Humanities/Fine Arts (2A)]	3
		18

(To meet state certification requirements the candidate in all elementary supported fields must take either Music or Art Appreciation to fulfill Area 2A as one of the three Humanities & Fine Arts requirements, page 33.)

Sophomore Year

1st	Semester	
-----	----------	--

Educ 200	Intro to Tchr Educ II	1
CORE	[Bio 101 General Biology]	4
CORE	[Hist 120 US 1877-present]	3
Geog 211	Regions and Nations	3
CORE	[Humanities/Fine Arts (2B)]	3
Psy 305	Child/Adolescent Dev	4
		18

2nd Semester

Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, candidate must retake the ACT.

root triair Lo,	cariarate made retaile me ne	
Art 220	Art Education	2
Kine 311	PE in Elem School ***	2
CORE	[Phys 101]	5
CORE	[Humanities/Fine Arts (2C)]	3
Psy 310	Educational Psychology	2
Mus 332	Music for Elem School	2
		16

Summer Semester - Sophomre

Cullinion C	omooter copilering	
Eng 325	Children's Literature (WI)	3
Educ 302	Exceptional Child	2
		5

Junior Year

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ." prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)

Lado 100, I	Eddo Edd, Eddo ed, dila Eddo	
Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Kine 370	School Health Educ.***	3
Educ 324	Intro Spec Educ#	3
Educ 342	Dev Reading: Elementary	3
		47

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2nd Semester					
Must be fully admitted to the Teacher					
Education Program					
Educ 311 Teaching Science Elem	3				
(Bio 101, & Phys 101)					
Educ 340 Language Arts	2				
5 5	3				
Educ 474 Ed-Psy Testing	3				
Educ 410 Methods/Cross-Categorie					
	14				
Summer Semester - Junior					
Educ 348 Transition Services#	2				
Educ 430 Lang. Development	3				
Educ 403 or 404 or 405# Methods in N	/IR				
BD,or LD	3				
	8				
Senior Year					
1st Semester					
Educ 343 Content Area Lit: M.S. (V	VI) 3				
Educ 470 Diag & Remdl Reading	3				
Educ 322 Tchng Soc. Studies	3				
Educ 420 Intro to Counseling	3				
Educ 446 Pract Cross-Categorical	# 3				
_uuu Trust oroso outogoriouii	15				
2nd Semester					
Educ 402 Foundations of Educ (WI) 2				
Educ 432 Critical Issues	2				
Educ 444 Student Teaching Sp. Ed					
Educ 444 Student reaching Sp. Ed	12				
Total Elementary Education/with	12				
Total Elementary Education/with					
Special Education	140				
(Proroquisitos)					

(Prerequisites)

[Department Recommendations]

*Candidate must have speech evaluation field in the Dean's office.

**This is a certification requirement and must be taken by all teacher education students prior to Junior Block or concurrently.

***Meets the core requirements in Physical Education.

#Courses specific to Special Education certification endorsement.

4. Elementary Education/TESOL - Option 2

Suggested Order of Study

Bachelor of Science in Education Elementary Education/TESOL

Candidates who wish to certify in TESOL (Teachers of English to Students of Other Languages) can add the course work to elementary, middle school, or secondary education programs. Please see your adviser for details. The following Suggested Order of Study is for the elementary education program only.

Freshman Y 1st Semester Course CORE Psy 100 CORE CORE CORE CORE Psy 120		Hours 3 3 3 3 3 1 1	
2nd Semeste CORE CORE CORE CORE Educ 100 CORE	Er [Eng 102 (Eng 101)] (WI) [Hist 120 US1877-Present [Math 119 Math Elem Tchr [PSc 120 Govt:US,Sta,Loc Intro to Tchr Educ I [Humanities/Fine Arts (2A)	rl] 3 c] 3	
candidate in must take eit fulfill Area 24	te certification requirements all elementary supported fi ther Music or Art Appreciati A as one of the three Human nuirements, page 33.)	elds on to	8
Summer Sen CORE	nester [Bio 101 General Biology]	4	
Sophomore 1st Semester CORE		3	

2nd Semester

Educ 301

Geog 211

Psy 305

CORE

Educ 200

Take first available C-Base Test. Apply for admission to the Teacher Education Program. If ACT is less than 20, candidate must retake the ACT.

Comp Software Clsrm**

Child/Adolescent Dev

[Humanities/Fine Arts (2B)]

Regions & Nations

Intro to Tch Educ II

1633 Wall 20	, candidate must retake the AC	11.
CORE	[Humanities/Fine Arts (2C)]	3
CORE	[Phys 101]	5
Psy 310	Educational Psychology	2
Kine 311	P.E. for Elem School***	2
Mus 332	Music for Elem School	2
Educ 302	Exceptional Child	2
		16

Junior Year

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ" prefix can be taken. (Exceptions: Educ

100, Educ	200, Educ 301 and Educ 302)	
Educ 329	Ped Theory Methds & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
Educ 342	Dev Reading: Elementary	3
Kine 370	School Health***	3
Eng 301	Modern Grammar	3
		17

,	admitted to the Teacher Edu	ca-
tion Program Educ 311 Educ 312	Science Elem School Prob of Tch Arthm	3
Educ 340	Language Arts	2
Educ 343	Content Area Lit: M.S. (WI)	3
Educ 380	Theories/Eng 2nd Lang	3
Educ 480	Methods of TESOL	3
		17
Summer - Ju Educ 381 Educ 481	unior Year Tchng Multicultural Soc Mat Dev & Assess/TESOL	3 3 6
Senior Year 1st Semeste		
Educ 322	Tchng Soc Stud Elem	3
Educ 422	Content Area Lit: Sec. (WI)	2
Educ 470	Dgnstc & Rmdl Rdng	3
Educ 482	Practicum/TESOL	3

2nd Semes	ter	
Educ 402	Foundations of Educ (WI)	. 2
Educ 432	Critical Issues	2
Educ 442	Student Teaching Elem.	8
		10

Children's Literature

2 16

Art Education

Eng 325

Art 220

3

Total Elementary Education with TESOL137

*Candidate must have speech evaluation field in the Dean's office.

**This is a certification requirement and must be taken by all teacher education students prior to Junior Block or concurrently.

***Meets the core requirements in Physical Education.

5. Middle School Education

Bachelor of Science in Education Middle School Education

Suggested Order of Study

Candidates will need to check with their advisers for additional courses that must be taken in each of two chosen areas of certification Language Arts, Social Science, Science, Industrial Technology, Business, Speech/Theatre, or Math.

Freshman Year

liesiiiiaii	I Cai	
1st Semeste	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
CORE	[Eng 101 Comp I] (WI)	3
CORE	[Math 119 Math Elem I]	3
CORE	[Econ 180 Amer Econ]***	3
Psy 120	College Orientation	1
CORE	[Comm 100 Oral Comm]*	3
CORE	[Kine 101 PE Activity]	1
		4=

2nd Semester		N. Series	2nd Semester		Junior Year	
	Math 120 Math Elem II]	3	Educ 402 Foundations of Educ (WI)		1st Semeste	
	Eng 102 (Eng 101)] (WI)	3	Educ 413 Methods of Tchng M.S.			must be tentatively admitted to the
	Hist 110 U.S.1492-1877]	3	Educ 432 Critical Issues			ucation Program before courses with
	General Psychology	3	Educ 452 Student Teaching M.S.			refix can be taken. (Exceptions: Educ
CORE [Bio 101 Gen Biology]	4		14	100, Educ 2	200, Educ 301, and Educ 302).
		16	Total Middle School 130-1	53	Educ 329	Ped Theo Meth & Prac 4
					Educ 321	Microteaching 2
Summer - Fr	eshman Year		(Prerequisites)		Educ 423	Classroom Management 2
Certification A		4-8				rtmental recommendations for teach-
ocranication 7	1045	4-8	[Department Recommendations]			courses. If recommended by Junior
		4-0	*Candidate must have speech evaluation file			ctors, and by the teacher education
Cambamana \	/		in the Dean's Office.			ve full admission to teacher education.
Sophomore \	ear		**This is a certification requirement and mus	st	racuity, recei	ve iuii auriiissiori to teacrier education.
1st Semester	DI 4041	-	be taken by all teacher education candidate	00	and Compar	
	Phys 101]	5	prior to Junior Block or concurrently.		2nd Semest	
	Hist 120 U.S. 1877-presen					rtmental recommendations for teach-
	Kine 103 Lifetime Wellness	-	***Business majors must take Econ 202		ing specialty	
	Comp Software Clsrm**	3	instead of Econ 180.		Psy 310	Educational Psychology 3
Educ 200	ntro to Tchr Educ II	1	+English majors must take a second literatu	ure		
CORE [Humanities/Fine Arts (2B)]	3	to fulfill Humanities 2C.		Senior Yea	
	,	16			1st Semeste	
			++Speech/Theatre majors must take Th 110	U to	Follow depa	rtmental recommendations for teach-
2nd Semester			fulfill Humanities 2A.			courses. Apply for student teaching
	able C-Base Test. Apply for	admis-			0 1	econd week of the semester.
	cher Education Program. It				Educ 422	Content Area Lit: Sec. (WI) 2
			6. Secondary Education (9-12)		Psy 412	Measurement & Eval.
	eandidate must retake the A		,		OR OR	woadaromont a Eval.
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,	Child/Adolescent Dev.	4	0	07100000		Mid School Curr
	Humanities/Fine Arts (2C)]		Suggested Order of Study		OR	
	Humanities/Fine Arts (2A)]	++ 3			Educ 420	Intro to Counseling 2-3
Certification A	reas	3-6				
		6-19	Bachelor of Science in Education		2nd Semest	
					Educ 402	Foundations of Educ (WI) 2
Summer - Sc	phomore Year		Secondary Education (9-12)		Educ 432	Critical Issues 2
Certification A		4-8			Educ	Tchng Specialty
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Educ 343 Educ 302 Psy 310 International S Certification A Summer – Ju Certification A Senior Year 1st Semester Educ 412 Psy 412	Exceptional Child Educational Psychology Studies reas nior Year reas Middle School Curr Measurement & Eval entent Methods reas	2 2 3 4-8 14-18 2-8 2-8	Pass first available C-Base test. Verify that ACT score is 20. Have a 2.5 GP the teaching specialty area and a 2.75 cum tive GPA. Get faculty recommendation, vautobiography, and file admission papers tentative admission. 2nd Semester Follow teaching specialty department recommendations for core courses and teaching scialty courses.	PA in nula- write s for com- spe-	1st Semeste Follow teach dations for courses. Course Educ 100 Psy 100 2nd Semest Follow teach dations for control	ning specialty department recommen- core courses and teaching specialty Hours Intro to Tchr Educ I 1 General Psychology 3 ter ning specialty department recommen-

174 / Teacher Education

Sophomore Year

1st Semester

Follow teaching specialty department recommendations for core courses and teaching specialty

Educ 200 Intro to Tchr Educ II Educ 302 2 **Exceptional Child**

Take first available C-Base test. Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get faculty recommendation, write autobiography, and file admission papers for tentative admission.

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty

Educ 301	Comp Software Clsrm**	3
Psy 305	Child/Adolescent Dev	4

Junior Year

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Educ 321	Microteaching	2
Educ 329	Ped Theo Meth & Prac	4
Educ 423	Classroom Management	2

Follow departmental recommendations for teaching specialty courses. If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

2nd Semester

Follow departmental recommendations for teaching specialty courses. Educational Psychology

Senior Year

Psy 310

1st Semester

Educ 422

Follow departmental recommendations for teaching specialty courses. Apply for student teaching during the second week of the semester.

Content Area Lit: Sec (WI)

Measurement & Eval.	
Mid Sch Org-Phl-Cur	
Intro to Counseling	2-3
er	
Foundations of Educ WI	2
Critical Issues	2
Tchng Specialty	
Methods Course+	2-3
Student Teaching K-12	8
	Mid Sch Org-Phl-Cur Intro to Counseling er Foundations of Educ WI Critical Issues Tchng Specialty Methods Course+

(Prerequisites)

[Department Recommendations]

**This is a certification requirement and must be taken by all teacher education candidates prior to Junior Block or concurrently.

14-15

+Some teaching specialty methods courses are only offered in the spring semester.

For additional information contact: **Teacher Education Department**

Office: Taylor Hall 237 Phone: 417.625.9309 FAX: 417.659.4387

Course Descriptions

Educ 010 (F,S) **Academic Skills for College Success**

Designed to improve and enhance reading skills. Vocabulary, comprehension, and flexibility for rate are addressed in addition to the introduction of learning strategies involved in the successful transition from high school to college level of study. Provides opportunities for improving reading and study skills as well as for developing reading enrichment.

Educ 100 (F.S) 1 hr. cr. Introduction to Teacher Education I

An orientation to teacher education required for freshmen who select elementary or secondary education as their major field. Intended to help clarify decisions about education as a major and career choice. Concepts covered include: teaching as a career, teacher preparation, employment prospects, educational funding, and technology in education.

Educ 105 (F,S) 1 hr. cr. Speed Reading

Designed specifically to increase reading speed. Not recommended for students with comprehension problems.

Educ 200 (F,S) 1 hr. cr. Introducation to Teacher Education II

An extension of Educ 100. Classroom experiences emphasized as well as the conditions for teaching. A 15 clock hour, field-based component is included.

Educ 301 (F,S,Demand) 3 hrs. cr.

Use of Computer Software in the Classroom

Study designed to provide the prospective teacher with a basic understanding of microcomputer hardware, software, and related technologies with special emphasis upon use of this technology in the accomplishment of teacher-oriented tasks. Prerequisite: Must be taken prior to or concurrently with the Junior Block or concurrently. Required of all education majors.

Educ 302 (F,S, Demand) 2 hrs. cr. The Exceptional Child

A series of awareness experiences dealing with the added complexities an exceptional child presents to a regular classroom teacher. Includes characteristics of the exceptional child, resources in the community, and legislation which deter-

mines school policy. Prerequisite: Psy 100

and Middle School

Educ 311 (F,S, Demand) 3 hrs. cr. Science in the Elementary

Designed to help students (1) comprehend the basic notion of science and how children go about learning science, (2) develop materials suitable for demonstration, discovery, and inguiry lessons and (3) develop the instructional skills necessary to achieve the first two goals. Prerequisites: Courses in biological and physical sciences and completion of Junior Block.

3 hrs. cr.

3 hrs. cr.

Educ 312 (F,S, Demand) **Problems of Teaching Arithmetic**

in Elementary Schools

(See Math 312)

2 hrs. cr.

Application of principles of learning and techniques of presentation. Techniques for diagnosis and remediation are treated as they relate to the elementary classroom. Prerequisite: Math 119 and completion of Junior Block.

Educ 316 (F,S) 2 hrs. cr. Foundations, Issues, and Trends in

Early Childhood Education

A survey course designed to acquaint the prospective teacher of young children with the historical, philosophical, psychological, and social foundations of early childhood education. In addition, designed to present current issues and trends associated with early childhood programming and consequent role expectations of prospective teachers. Prerequisite: Must be taken concurrently with the junior block courses.

Educ 317 (F,S) Curriculum in Early **Childhood Education**

Curriculm development in early childhood education, with special emphasis on various program models and curriculum designs currently used at the early childhood level; the formulation of developmentally appropriate goals for and curriculum content of educational programs for young children; and models of classroom management in early childhood education. Prerequisite: Educ 316.

Educ 318 (F,S)

Early Childhood Methods and Materials Background in teaching strategies and materials for the young child. Fundamentals of designing developmentally appropriate small group, large group, and individual learning experiences for young children; and appropriate teaching methods and materials at the early childhood level. Prerequisites: Educ 316 and Educ 317 or instructor permission. Must be taken concurrently with Educ 319.

Educ 319 (F,S)

2 hrs. cr.

Practicum I in Early Childhood Education

Supervised participation in teaching on the early childhood level in the MSSC Child Development Center for a minimum of 64 clock hours. Students will design and implement small group, large group, and individual learning experiences, develop appropriate materials for children's use, and practice appropriate teaching strategies for young children. Prerequisites: Educ 316 and Educ 317 or instructor permission. Must be taken concurrently with Educ 318.

Educ 321 (F,S)

2 hrs. cr.

Microteaching

A required part of Education 329. Short teaching episodes are prepared, taught and analyzed via video-tape. The basic concern is with the demonstration of effective teaching skills as enumerated in the outline. Must be taken concurrently with Educ 329 and Educ 423.

Educ 322 (F,S, Demand)

3 hrs. cr.

Teaching Social Studies in Elementary and Middle School

An introduction to the instructional materials and methods of teaching social studies in the elementary school.

Educ 323 (S)

3 hrs. cr.

Utilizing Family and Community Resources for the Young Child

Acquaints the prospective teacher of young children with the needs and concerns of families rearing young children, methods of involving parents in the education of their children, and knowledge of community resources for families with young children.

Educ 324 (F,S)

3 hrs. cr.

Introduction to Special Education

Introduction to the five areas of mild/moderate disabilities: learning disabled, mentally handicapped, behavior disordered, physically disabled, and other health impaired. Provides the basis of understanding necessary to learn and apply the methodologies needed for each of these areas of exceptionalities. (Must be taken concurrently with the junior block courses.) Prerequisites: Educ 302, Psy 100 and Psy 305.

Educ 329 (F,S)

4 hrs. cr.

Pedagogical Theory, Methods, and Practices

Examines the theoretical basis for the decision making model of the teacher education program. Provides the methodological basis for making pedagogical decisions concerning lesson design, identification of learning styles, and assessment techniques. Microteaching provides an opportunity to practice methods and techniques for teaching. Thirty-two hours of junior internship in the elementary, middle, and secondary school classroom provides an opportunity to refine theory into practical applications. Must be taken concurrently with Educ 321 and Educ 423. Any off campus offerings require instructors permission.

Educ 330 (F)

3 cr. hrs.

Industrial Technology Methods

This is a required teacher education course, which is an introduction to the instructional planning, materials, philosophy, rationale, and methods of teaching Industrial Technology. It is a part of the professional semester. Prerequisite(s): Advanced standing in major field: admission to teacher education program. (Junior Block)

Educ 332 (S)

2 hrs. cr.

Teaching English and Language Arts in Secondary School

Provides an introduction to the instructional materials and methods of teaching English and language arts in the Secondary School. Part of the Professional Semester. Prerequisite: Junior Block

Educ 333 (S)

3 hrs. cr.

Teaching Science in Secondary School An introduction to the instructional materials and methods of teaching science. Part of the Professional Semester. Prerequisite: Junior Block

Educ 334 (S)

2 hrs. cr.

Teaching Social Science in Secondary School

This is a required education course which is an introduction to the instructional planning, materials, philosophy, rationale, and methods of teaching Social Studies. Part of the professional semester. Prerequisite: Junior Block

Educ 335 (S)

2 hrs. cr.

Teaching Music in Secondary School

An introduction to the instructional planning, materials, and methods of teaching music. Part of the Professional Semester. Prerequisite: Junior Block

Educ 336 (S)

2 hrs. cr.

Teaching Business in Secondary School An introduction to the instructional planning, mate-

rials, and methods of teaching business. Part of the Professional Semester. Prerequisite: Junior Block

Educ 337 (F,S)

2 hrs. cr.

Teaching Art in Secondary School

An introduction to the instructional planning, materials, and methods of teaching art. Part of the Professional Semester. Prerequisite: Junior Block

Educ 338 (F,S)

2 hrs. cr.

Teaching Physical Education in Secondary School

An introduction to the instructional planning, materials, and methods of teaching physical education. Part of the Professional Semester. Prerequisite: Junior Block

Educ 339 (S)

3 hrs. cr.

Teaching Mathematics in Secondary School

An introduction to the instructional planning, materials, and methods of teaching mathematics. Includes brief survey of the history of algebra and trigonometry. Part of the Professional Semester. Will not count toward a major in mathematics. Prerequisite: Junior Block

Educ 340 (F,S, Demand)

2 hrs. cr.

Language Arts

A foundations course for the development of understanding the attitudes necessary to teach written and oral communication at the elementary and middle school level.

Educ 342 (F,S, Demand)

3 hrs. cr.

Developmental Reading: Elementary

Explore, study, and apply a variety of reading strategies that provide understanding of effective, current text-based and experience-based teaching practices; review and compile information from journals/literature which includes research, ideas, trends, methods, and experiences relevant to developmental reading; evaluate various reading approaches and programs; construct reading enrichment materials; and develop an attitude that will positively affect the selfconcept of children with diverse learning styles, abilities, backgrounds, and attitudes as they learn to read. (Should be taken with junior block.)

Educ 343 (F,S, Demand)

3 hrs. cr.

Content Area Literacy:

(Writing Intensive)

Middle School Expand and extend the knowledge base acquired from Introduction to Developmental Reading; explore, study, apply, and assimilate new learning about effective reading/study-skill strategies appropriate to the development and needs of the middle-school population; design and construct enrichment materials to enhance reading in the content areas; develop knowledge on assessing middle-school students' needs, plan instruction based on those needs, and select appropriate and effective reading/study-skills instruction strategies; and focus on the importance of recreational reading as a lifetime habit. Prerequisite: Educ 342 (Can be taken concurrently with Educ 470.)

Educ 344 (S)

2 hrs. cr.

Teaching Speech and Theatre in Secondary School

Techniques, methods, and course content used in teaching speech and theatre. Part of the Professional Semester. Prerequisite: Junior Block

Educ 345 (S)

2 hrs. cr.

Teaching Foreign Language in PK-12

An introduction to the instructional materials and the methodology used in the teaching of foreign languages in PK-12. Part of the Professional Semester. Prerequisite: Junior Block

Educ 348 (F,S)

2 hrs. cr.

Transition Services

A coordinated set of activities for a student designed within an outcome-oriented process that promotes movement from school to post-school activities, including post-secondary education, vocational training, integrated employment, continuing and adult education, adult services, independent living, or community participation. Study of coordinated activities, including instruction, community experiences, employment, and other post school adult living objectives. Prerequisite: Educ 324.

176 / Teacher Education

3 hrs. cr.

Theories of Teaching English as a Second Language

Basic theories of how non-English speaking people acquire English. Includes working with non-English speaking students, description of personal theory, and methods of teaching. (May be taken concurrently with or after Junior Block.)

Educ 381 (Summer)

3 hrs. cr.

Teaching in a Multicultural Society

The foundations of multicultural education along with approaches to multicultural education and teaching strategies applicable to all ages, grades, and subjects. Prerequisite: Junior Block

Educ 402 (F.S. Demand)

2 hrs. cr.

Foundations of

Education (Writing Intensive) Historical, philosophical, and sociological aspects of education. Emphasis upon the development of American education from the Colonial period and acquision of knowledge of educational belief systems. Part of the Professional Semester.

Educ 403 (Demand)

3 hrs. cr.

Methods of Teaching the **Mentally Handicapped**

Designed to help the prospective or in-service teacher understand mental retardation and learn to work effectively with retarded learners. Includes appropriate curriculum, individualized program development, and teaching strategies. Prerequisite: Educ 302 and Educ 324.

Educ 404 (Demand)

3 hrs. cr.

Methods of Teaching Children with Learning Disabilities

Designed for the prospective or in-service teacher of learning disabled students. Diagnosis, evaluation, programming, instructional approaches, instructional strategies, and materials appropriate for use with learning disabled students. Prerequisite: Educ 302 and Educ 324.

Educ 405 (Demand)

Methods of Teaching Children with **Behavioral Disorders**

Establishes a teaching rationale utilizing an individualized teaching strategy which enables the emotionally disturbed learner to profit more fully from school experiences. Prerequisite: Educ 302 and Educ 324.

Educ 408 (F, Demand)

4 hrs. cr.

Assessment & Practicum in **Early Childhood**

An in-depth study of systematic observation, testing tools, and screening instruments. With supervised administration, scoring and interpretation of these assessments in early childhood education. In addition to 2 hrs. of lecture per week, students will be assigned to an early childhood setting for 4 clock-hours a week to utilize systematic informal observational techniques which will culminate in a written case study report. Prerequisite: Educ 316.

Educ 410 (F,S)

3 hrs. cr.

Teaching in the Mild/Moderate: Cross-Categorical Classroom: K-12

A methods course designed to give students numerous examples of curricular and instructional methodologies in the teaching of elementary and secondary mildly handicapped children in a cross-categorical classroom. Methodologies for students with learning disabilities, mental handicaps, behavior disorders, physical disabilities, and other health impairments are discussed.

Educ 412 (F,S,Demand)

2 hrs. cr.

Middle School and Junior High Philosophy, Organization and Curriculum

Effective teaching and learning strategies for the Middle School and Junior High students, including comprehension of the developmental and academic needs of students. Designed for Education majors seeking middle school certification (Grades 5-9) and for others interested in curriculum and instruction.

Educ 413 (F)

2 hrs. cr.

Methods of Teaching Students in the Middle Grades

Exploration of middle school developmentally appropriate instructional planning, materials, evaluation, and reporting of pupil progress. Student communication and personal development are stressed through exploratory programs and the balance of teaching and learning styles. Inquiry, problem solving, and discovery methods used to show the importance of content knowledge and its application to decision making. Emphasis on the importance of interdisciplinary units of instruction to acculturate students. Prerequisite: Educ 412 or may be taken concurrently.

Educ 420 (F)

3 hrs. cr.

Introduction to

Counseling (Writing Intensive) Survey course exploring the role and function of counseling, including philosophies, theories, techniques, legal and ethical issues, assessment, and research. Designed as an overview for the classroom teacher, the reading specialist, and the special educator for use with students and parents.

Educ 422 (F,S, Demand)

2 hrs. cr.

Content Area Literacy:

Secondary (Writing Intensive)

Secondary education majors explore, study, and apply a variety of research-based and classroom-tested teaching/learning strategies designed to enhance and extend teaching in their content areas; develop and design materials that integrate reading into their content areas; identify and modify critical thinking strategies relevant to their content areas; compile and understand effective reading/study skills components appropriate for secondary students; compose their philosophy of reading; and review assessment techniques relevant to reading in the secondary school. Can be taken concurrently with Junior Block

Educ 423 (F, S)

Classroom Management

Classroom Management introduces concepts, skills, and models for developing a personalized three-dimensional approach to behavior and classroom management. How to prevent discipline problems, what to do when problems occur, and what to do to decrease the possibility of problems recurring. Must be taken concurrently with Educ 329 and Educ 321.

Educ 430 (F. S. Demand)

3 hrs. cr.

Language Development of **Exceptional Children**

Required for certification in special education and recommended for teachers of students focusing on early childhood education. Basic structures of language, normal sequence of language acquisition, and characteristics of language disabilities. Strategies suggested for both assessing and remediating language delays or disorders.

Educ 432 (F, S, Demand)

2 hrs. cr.

Critical Issues in Education

Exploration of current problems with special regard to legal and professional roles of school personnel, their relationships to federal and state governments and local school districts; certification, salary schedules, retirement, and other benefits, professional organizations for teachers, and relationship with administration, pupils, parents, and the community. Part of Professional Semester.

Educ 444 (F, S)

8 hrs. cr.

Student Teaching-Special Education

Supervised teaching in a special education setting in an assigned off-campus site. Course assignments consist of 50 full teaching days (10 weeks) and require the students to demonstrate their ability to be entry-level effective decision making teachers. Arrangements for placement are to be made in the semester preceding the actual student teaching block The student will be required to divide the 10 week experience into two segments - elementary and secondary. Assignment to the sites is determined by the special education practicum assignment. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 446 (F, S, Demand)

Practicum in Special Education

Clinical experience in special education settings with students who have mild/moderate disabilities. This experience will occur in one of the following classroom settings: cross-categorical. learning disabled, mentally handicapped, or behavior disordered. Includes both time in special education classes and on-campus seminar sessions. Prerequisites: Educ 324 and 3 credit hours of special education methods.

Educ 452 (F, S)

8 hrs. cr.

Student Teaching-Middle School

Supervised teaching on the middle school level in an assigned off-campus school site. The middle school teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 462 (F, S) 8 hrs. cr. **Student Teaching-Secondary**

Supervised teaching on the secondary level in an assigned off-campus school site. The secondary school teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. Arrangements for placements are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see requirements for Admission to Student Teaching.

Educ 464 (F, S) 8 hrs. cr. Student Teaching - (K-12)

Supervised teaching on the secondary and elementary levels in assigned off-campus school sites. The PK-12 teaching experience is based on 50 full teaching days (10 weeks) and requires the student teacher to demonstrate his/her ability to be an entry-level, effective decision making teacher. The student will be required to divide the 10 week period into two segments: Five weeks at the elementary level and five weeks at the secondary level. Arrangements for placement are to be made in the semester preceding the actual student teaching block. Prerequisites: Please see Requirements for Admission to Student Teaching.

Educ 470 (F, S, Demand) 3 hrs. cr. **Diagnostic and Remedial Reading**

Prepares the beginning remedial reading teacher and the regular classroom teacher to deal with remedial reading problems. Emphasis on diagnosis of problems more clinical in nature with techniques, materials, and management being stressed. Prerequisites: Educ 342, may be taken concurrently with Educ 343.

Educ 471 (Demand)

3 hrs. cr.

Practicum in Diagnosis of Reading Difficulties

Practice of administering, interpreting, and reporting diagnostic test results of reading difficulties. Prerequisites: Educ 342 or Educ 422, Educ 343, Educ 470, and Educ 474.

Educ 474 (F, Summer)

3 hrs. cr.

Educational-Psychological Testing in Special Education

Comprehensive study of the various psychoeducational assessment techniques for diagnosis of learning problems of exceptional children, including educational, intelligence, and psychomotor. Emphasis on translating assessment data to remedial programs. Prerequisites: Educ 302 and Psy 310.

Educ 480 (S) 3 hrs. cr. **Methods and Techniques for TESOL**

Introduces techniques for teaching ESOL. Includes work with ESOL students, class observations, and hands-on experience with a variety of materials. (May be taken concurrently with or after Junior Block.)

Educ 481 (Summer) 3 hrs. cr.

Material Development and Assessment for TESOL

Analysis and preparation of materials for teaching ESOL and the basics of test development for ESOL. Prerequisite: Junior Block.

Educ 482 (F)

Practicum for Teaching English to Speakers of Other Languages

Supervised practical classroom experience in teaching ESOL. Prerequisites: Educ 380, Educ 381, Educ 480, and Educ 481 and Junior Block.

Educ 483 (Demand) 2 hrs. cr.

Comparative Education and Cultures

One credit hour of course work will be completed on campus prior to and following the field experience. Class lectures will focus on the culture and educational systems of designated countries as they relate to the development of the American education system, and current educational trends in the various applicable cultures. One additional credit hour of the course will be gained from the field experience component. Travel in cultures studied will include visits in schools with interviews arranged to meet the certification profile of class participants.

Educ 498 (Demand) 1-3 hrs. cr. Seminar in Problems of Education

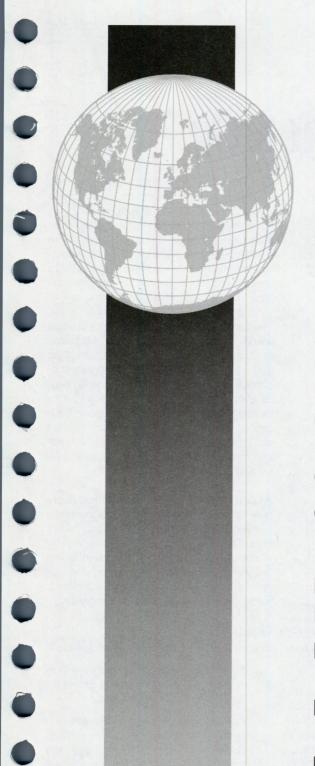
A weekly seminar for upper division majors. Credit hours determined by the department each semester. Covers specialized knowledge and/or current research in the discipline. Topics vary by semester and situation. Prerequisites: Advanced standing and consent of department head.

Educ 499 (Demand)
Independent Study

1-3 hrs. cr.

3 hrs. cr.

Structured by the adviser with approval of department head. Prerequisites: Advanced standing in the major field and approval of adviser and department head.



School of Technology

Aviation

Computer Aided Drafting & Design (CADD)

Design Engineering Technology

Computer Assisted

Manufacturing Technology (CAMT)

Computer Information Science

Criminal Justice

Corrections

Juvenile Justice

Dental Hygiene

Industrial Technology Education

Law Enforcement

Missouri Peace Officer Certification

Manufacturing Information

Management Systems (MIMS)

Medical Technology

Nursing

Paramedic

Pre-Engineering

Preprofessional

Radiologic Technology

Respiratory Therapy

School of Technology

School Dean

Dr. Tia M. Strait Justice Center 126, 417.625.3155

Degrees and Majors Bachelor of Science

Computer Information Science

- Information Systems
- Computer Science
- Computational Mathematics
- •Information Technology
- Computer Technology

Criminal Justice

Industrial Technology Education Manufacturing Information Manage-

ment Systems Medical Technology

Nursing

Associate of Science

Computer Aided Drafting and Design Engineering Technology

Computer Aided Drafting and Design Computer Graphics Design

Computer Assisted Manufacturing Technology

Computer Information Science

- Network System Administration
- Information Systems
- •Website Administration

Dental Hygiene

Law Enforcement

Pre-Engineering

Radiologic Technology

Respiratory Therapy

Associate of Arts (Preprofessional)

Paramedic

Prepharmacy

Certificate (one year)

Manufacturing Applications

Certificate (less than 30 hours)

Emergency Medical Technician
Emergency Medical Technician Paramedic

Network System Administration Missouri Peace Officer Training

Certificate of Competency

Computer Aided Drafting and Design Operator CNC Operator

Reverse Engineering Technician

Quality Technician

Options and Emphases

Advanced Level Respiratory Therapy (after completion Respiratory Therapy Associate of Science Degree) Aviation Land Surveyor in Training

Minors

Computer Information Systems
Computer Science
Criminal Justice Administration
Corrections and/or Juvenile
Network Systems Administration
Website Administration

Role

The School of Technology is one of the four major instructional entities of Missouri Southern. As such, it offers quality instruction by and under, the leadership of professional educators who also have the advantage of actual work experience in business, industry, health care and government. Instruction is further enhanced by the utilization of qualified individuals from business and professionals in the community as guest lecturers and part-time instructors.

Courses offered by individual departments within the School of Technology are specifically career oriented toward a specialized field. The faculty in these departments recognize the necessity of providing an understanding of the relationships between careers and society; therefore, courses from the fine arts, humanities and natural sciences, as well as courses to refine a student's ability to read, write, speak and think are a required part of each departments curriculum. As a result, the students majoring in the various curricula in the School of Technology are an integral part of the entire student body.

All courses offered in the School of Technology are designed to provide students with the experience, skills or expertise that enable them to enter their employment field and meet requirements imposed by any certifying and licensing examination that may be required.

The School of Technology also recognizes that in many respects the community is also a classroom. Therefore, a number of curricula include courses that are offered by other educational agencies. In some courses, area facilities are used as laboratory resources with students utilizing them under the direct supervision of regular college instructional personnel.

The School of Technology offers curricula leading to a Bachelor of Science, Associate of Science, and Associate of Arts degrees and one-year certificates. Programs of shorter duration required for licensure or certification also are offered, often in conjunction with the Division of Continuing Education. Numerous courses and workshops are offered to meet specific and often rapidly emerging demands of business, industry and public services.

All departments work closely with advisory boards composed of professionals from area business, industry, government and health care. The advisory board assists the faculty of the various departments in maintaining relevancy of curriculum content and identifying special needs that can be addressed through continuing education programs.

Goals

The goals of the School of Technology are:

- To provide opportunities for students to prepare for a broad range of established and emerging careers;
- 2. To maintain and develop curricula which provide the opportunity for students to obtain the background in liberal arts and sciences so they may appreciate their heritage and contemporary society and become a contributing member of their society;
- To provide programs in the most cost effective method possible, that are cognizant of contemporary requirements of career fields and which provide best available preparation for emerging requirements;
- To provide opportunities and encouragement for faculty and staff to remain current and conduct research in their respective disciplines;

Aviation, Design Manufacturing Information Technologies, CADD / 181

- To provide instructional facilities and equipment essential to the maintenance of academically excellent instruction;
- 6. To provide a variety of supportive functions that serve a variety of area needs;
- To offer quality programs and in areas where required, maintain program content necessary for special accreditation;
- To offer a variety of continuing education programs to meet special needs and demands;
- To encourage faculty to provide consultation services and otherwise serve as resources for the area;
- To advise people, including students and potential students, regarding knowledge, skills and abilities required to enter and succeed in various career fields;
- To assist faculty to meet and maintain eligibility for special certification required in numerous programs.

Aviation

Justice Center, 417.625.9328

The Aviation Program is offered in affiliation with the Mizzou Aviation Company of Joplin, Missouri.

For additional information contact:

Dr. Tia M. Strait

Office: Justice Center 126 Phone: 417.625.3155

E-mail: strait-t@mail.mssc.edu

Course Descriptions

Av 200

5 hrs. c

Basic Pilot Training

An integrated course designed to meet ground school and flight training requirements for eligibility to take the Federal Aviation Administration examination for a Private Pilot Certificate. In addition to scheduled ground school classes, the course requires approximately 45 hours of dual and solo flight and check flight. Credit is awarded when the FAA certificate is obtained. Special fees and a third class medical certificate are required. Special fees for this course include plane rental and examiners test fee. Course grade is recorded as Pass or Fail.

Design Manufacturing Information Technologies

Ummel Technology Building 112-B, 417.625.9757 or 417.625.9328

Faculty Bartholet, Duggal, Howe, Schultz, Scorse

The department offers programs, which prepare students for manufacturing and design related floor level industrial positions. The programs offered are:

Associate of Science in Computer Aided Drafting and Design Engineering Technology

Associate of Science in Computer Aided Drafting and Design Computer Graphics Design

Associate of Science in Computer
Assisted Manufacturing Technology
Bachelor of Science in Industrial

Technology Education

Bachelor of Science in Manufacturing Information Management Systems

One Year Certificate in Manufacturing Applications

Certificates of Competency

- CADD Operator
- CNC Operator
- · Reverse Engineering Technician
- · Quality Technician

Computer Aided Drafting & Design Engineering Technology (CADD)

Ummel Technology Building 153, 417.625.9305

Faculty Duggal-Head, Bartholet, Scorse

Computer Aided Drafting and Design Engineering Technology curriculum leads to an associate of science degree in CADDET. The curriculum prepares individuals to enter employment as drafters/designers in the fields of manufacturing, civil, architecture, or construction.

The requirements for the associate of science degree in CADDET provide a broad base of analytical, technical and Core Curriculum courses. Computer Aided Drafting and Design hardware and software are used to enhance traditional instruction methods in all courses. Built into the curriculum is an emphasis on both on the study and application of engineering design technology. The documents and drawings produced by the CADDET graduate would be based upon sketches, specifications, and calculations made by scientists, engineers, architects, and designers. Material specification is an essential part of the CADDET program of study.

The department also functions as an internationally recognized authorized training center for AUTODESK software. This allows each student to be exposed to the latest CAD technology and the application of international standard systems such as A.N.S.I. and I.S.O.

Professional faculty maintain close ties with area industries to assure that high quality and currently used technology is taught.

Accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: 410.347.7700

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Baccalaureate Options

Students who complete the A.S. degree in CADDET may continue their education by pursuing a baccalaureate degree in the following areas:

- Manufacturing Information Management Systems (MIMS)
- Computer Information Science
- Management Technology
- Industrial Technical Education

Associate of Science Degree Major Code 5303 Computer Aided Drafting and Design Engineering Technology

Major		
	Semester	Hours
Core Requ	irements (p. 34)	24
CADD Req	uirements	50
CADD 110	Engineering Graphics I	3
CADD 115	Intro to 3D Computer	
	Aided Drafting	3
CADD 120	Descriptive Geometry	
CADD 130	Engineering Graphics I	3
CADD 204	Industrial Statics and	
	Strength of Material	
CADD 210	Technical Illustration**	3
CADD 220	Architectural Drafting	3
CADD 230	Elementary Surveying	3
CADD 260	Engineering Graphics I	II 3
CAMT 100	Intro to Machine Tool	
	Processes	3
CAMT 150	Materials & Processes	3
Phys	Elem. Phys 151	5
Phys	Elem. Phys 152	4

^{**}Offered only in the summer.

Math 302 Applied Calculus

Suggested Order of Study

Math 140 Algebra/Trig

3

Associate of Science Degree Major Code 5303

Computer Aided Drafting and Design Engineering Technology Major

Freshman Year

CORE

1st Semeste	r	
Course		Hours
CADD 110	Engineering Graphics I	3
CAMT 100	Intro Mach Tool Processes	s 3
CAMT 150	Materials & Processes	3
CORE	[Math 30 or higher]	3
CORE	[Psy 120 College Orient]	1
CORE	[Humanities/Fine Arts]	3
		16

2nd Semest	er	
CADD 115	Intro to 3D Computer	
	Aided Drafting	3
Math 140	Trigonometry	5
Phys 151	Elem. Phys	5
CORE	[Eng 101 Comp I]	3
CORE	[Oral Comm]	3
		19

Summer CADD 210 Technical Illustration 3 CORE [Kine 103 Lifetime Wellness] 2

Sophomore Year

1st Semester		
CADD 120	Descriptive Geometry	3
CADD 130	Engineering Graphics II	3
CADD 204	Statics/Strength of Materials	3
Math 302	Applied Calculus	3
CORE	[Hist 110/120 U.S. History]	3
CORE	[Econ 201 Economics-Macro]3
		18

2nd Semeste	er	
CADD 220	Architectural Drafting	3
CADD 230	Elementary Surveying	3
CADD 260	Engineering Graphics III	3
Phys 152	Elem. Phys	4
CORE	[Kine 101-Phys Activity]	1
* MO Const.	Test or PSc 120	3

[Department Recommendation]

For additional information contact:

Dr. J. S. Duggal

Office: Ummel Technology Building 153 Phone: 417.625.9305 or 417.625.9757 E-mail: duggal-j@mail.mssc.edu

Course Descriptions

CADD 110 (F, S) 3 hrs. cr. Engineering Graphics I

Preparation of drawings by using state-of-the-art CADD. Spreadsheet, word-processing are incorporated along with geometric construction, lettering outborraphic projection dimensioning

lettering, orthographic projection, dimensioning, sections, pictorial drawing, graphs, and diagrams. One hr. lecture, 4 hrs. lab per week. Corequisite: Math 30.

CADD 115 (S) 3 hrs. cr.
Introduction to 3D Computer
Aided Drafting

Computer aided drafting and the design of basic 3D wireframe and 3D models. Individuals who have a background in CADD should take the course for personal or professional improvement. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110 & Math 30.

CADD 120 (F)

Descriptive Geometry

Practical applications of advanced projection techniques to problems in civil, structural, mechanical and architectural engineering. Manual and computer assisted projects on methods are introduced. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 115, Math 140 and Phys 151.

3 hrs. cr.

CADD 130 (F) 3 hrs. cr. Engineering Graphics II

Detail and assembly drawings of machines and machine elements. Survey of the use of machine tools, processes and materials in the design and fabrication of machine parts. The use of 3D and parametric design software enhance the industrial applications within this course. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 115, Math 140, and Phys 151.

CADD 204 (F) 3 hrs. cr. Industrial Statics and

Strength of Material
Introductory survey of selected topics of statics and strength of materials, with emphasis on equilibrium friction, summation of forces and moments. The strength of materials will concentrate on simple stress and strain, basic beam relationships and torsional load carrying members. Two hrs. lecture, 3 hrs. lab per week. Prerequisites: CADD 115, Math 140, Phys 151.

CADD 210 (S,S) 3 hrs. cr. **Technical Illustration**

Pictorial drawing with an emphasis on mechanical and architectural applications. Major topics include mechanical illustrations, exploded views and perspectives drawn with a computer aided drafting system. Drawings will involve 2D and 3D illustration, lettering styles and computer generated rendering and animation. One hr. lecture, 4 hrs. lab per week. Prerequisite CADD 115, Math 140, Phys 151.

CADD 220 (S) 3 hrs. cr. **Architectural Drafting**

Principles of architectural design, preparing sets of working drawings, building details and use of modern construction materials for residential building. Manual and computer aided design techniques used throughout the course. One hr. lecture, 4 hrs. lab per week. Prerequisite: CADD 110, Math 140 and Phys 151.

CADD 230 (S) 3 hrs. cr. Elementary Surveying

Use and care of surveying instruments, fundamental surveying methods, traverse measurements, area computations, precise equipment and topographic mapping. 1 hour lecture-problems, 4 hour laboratories. Required background or experience: Math 140, CADD 115, Phys 151.

CADD 231 (S,S) 3 hrs. cr.

Advanced Surveying

Precise equipment, astronomical observations. Theory of hydrographic, geodetic and control surveys. City and land surveys. Route location

Semester Hours

and layout. Simple, transition and vertical curves. Earthwork computation. Introduction to electronic and photogrammetric methods. 1 hour lecture-problems, 4 hour laboratories. Required background or experience: Prerequisite: CADD 230, Elementary Surveying.

CADD 232 (F)

3 hrs. cr.

Surveying Computations

Introduction to the theory of measurements in surveying. Error propaation in horizontal and vertical position. The analysis of surveying measurement error. Error propogation in rectangular coordinate systems. Introduction to the techniques of compass rule adjustment and least squares for the adjustment of surveying data. Least squares adjustment of triangulation, trilateration and traverse network. Least squares adjustment of level networks. The use of surveying software will be utilized. Three one-hour lectures. Required background or experience: Prerequisite: Math 140

CADD 233 (F) 3 hrs. cr. **Boundary Control and Legal Principles** Boundary retracement principles based on common laws. Emphasis on simultaneous conveyances, rancho lands, resurvey problems, and legal descriptions. Three one-hour lectures. Required background or experience: CADD 230.

CADD 234 (S,S) 3 hrs. cr. Land and Survey Descriptions

History of land ownership and transfer of title; types of document of land conveyance; forms of legal descriptions of public and private lands; the bureau of land management; interpretation of maps and documents for the physical survey location of land boundaries; principles of writing precise land boundary descriptions; study of easements; value of monuments rectangular surveys; monumentation, restoration of lost corners, subdivision of sections, special surveys, plats and patents, meander lines, and riparian rights. Three one hour lecture-problem sessions per week. Required background or experience. Pre-requisite CADD 230.

CADD 260 (S) 3 hrs. cr.

Engineering Graphics III

Topics not covered in lower CADDET courses, including Vector Graphics and CADD Applications pertaining to Descriptive Geometry. Geometric Dimensioning and Tolerancing and working drawings and CAM Design will be reemphasized. Engineering design and problem solving will be an essential aspect of this course. Special topics in CADDET. Finite elements will be introduced. Drafting facility management concepts will also be covered. Three hours lecture per week, open labs as required. Prerequisites: CADD 120, 130, 204, Math 140, Math 302, Phys 151.

CADD 298 (Demand) 1-8 hrs. cr. Special Topics Draft/Design

Engineering Technology

A special topic or topics not normally included in another drafting/design course. Prerequisites determined by the department and stipulated in a course syllabus.

CADD 330 (Demand)

3 hrs. cr.

Computer Machine Design Engineering Technology

Principles, theory and applications of machine design utilizing the CAD workstation. Special emphasis on solid modeling FEM and design analysis. Three hrs. lecture labs are arranged. Prerequisite: CADD 115, Math 140 or above.

CADD 490 (Demand) 1-8 hrs. cr. Internship in Drafting and **Design Engineering Technology**

A structured work experience in drafting/design at an institution, facility or industry not directly related to Missouri Southern. The work experience will be a practical application of the students major field of study under the direct supervision of an on-site professional who is not a Southern faculty or staff member. The on-site professionals will supervise the students activity in the field. A faculty member will be responsible for approving the placement site and supervising the overall activities of the internship. Prerequisite: 15 hrs. of CADD.

CADD 498 (Demand) 1-3 hrs. cr. Seminar in Drafting & Design **Engineering Technology**

Specialized knowledge and skills related to new developments in drafting and design. Topics will vary by the semester and situation. Prerequisite: An associate degree in drafting & design or senior standing in management-technology or industrial technology.

CADD 499 (Demand) 1-3 hrs. cr. Independent Study in Drafting &

Design Engineering Technology

Individually directed reading, research and discussions in selected areas of drafting and design for advanced majors. Scope, depth, area of concentration and credit hours will be arranged when registering for the course. Offered by arrangement. Prerequisite: 15 hrs. of CADD with a 3.0 GPA and permission of instructor, department head and school dean.

Computer Aided Drafting & Design Computer Graphics Design (option)

Ummel Technology Building 112, 417.625.9567

Faculty Bartholet, Duggal, Schultz, Scorse

This program is a blend between technical computer animation and art. The perspective graduate will develop skills in 2D and 3D animation coupled with color theory, material applications, and other art relevant principles. Individuals working in this area can become involved with filmmaking, video game development, accident reconstruction, and multimedia. Other fields include advertising, publishing and business.

Associate of Science Degree Major Code 5304 Computer Aided Drafting and Design Computer Graphics Design (Option)

Core Requ	irements (p. 34)	25-26
CADD Cor	е	24
Art Core		15
CADD Req	uirements	
CADD 110	Engineering Graphics I	3
CADD 115	Intro to 3D CADD	3
CADD 270	2D Computer Animation	3
CADD 271	Graphic Information Tech	13
CADD 272	3D Computer Animation	3
CADD 274	Digital Animation App.	3
CADD 276	Computer Animation	
	Studio	3
CADD 450	Graphic Information Tech I	13
		24
Art Core		
Art 101	Basic Design	3
Art 240	Typography	3
Art 310	Water Color	3
Art 325	Graphic Communications	
Art 350	Graphic Communications	113
		15

Suggested Order of Study

Associate of Science Degree Major Code 5304 **CADD-Computer Graphics Design Option**

Freshman Y	ear	
1st Semeste	r	
Course		Hour
CADD 110	Engineering Graphics I	3
CADD 270	2D Computer Animation	3
Art 101	Basic Design	3
CORE	[English 101]	3
CORE	[Comm 100]	3
		15
2nd Semeste	er	
CADD 115	Intro to 3D CAD	3
CADD 271	Graphic Information Tech	3
Art 240	Typography	3
CORE	[Math 30 or higher]	3
CORE	[Hist 110/120]	3
CORE	[Psy 100, Soc 110, Econ 18	0] 3
		18

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Sophomore Year

1st Semeste	r	
CADD 272	3D Computer Animation	3
CADD 450	Graphic Info Tech II	3
Art 325	Graphic Communications I	3
Art 310	Water Color	3
CORE	[Biology/Physics]	4-5
CORE	[Humanities/Fine Art]	3
	19	-20

2nd Semeste	er	
CADD 274	Digital Animation App.	3
CADD 276	Computer Animation Studio	3
ART 350	Graphic Communication II	3
CORE	[Kine 103 Lifetime Wellness	3] 2
CORE	[Kine 101 Physical Activity]	1
* MO Const.	Test or PSc 120	3
	15	-18

[Department Recommendation]

For additional information contact:

Mr. Francis Bartholet

Office: Ummel Technology Building 112

Phone: 417.625.9567

E-mail: bartholet-f@mail.mssc.edu

Course Descriptions

CADD 270 (F)

3hrs. cr.

2D Computer Animation

Fundamentals of computer animation. Develop skills with technology in 2D Animation, sound editing, and general computer movie making. One hr. lecture, 4 hrs. of lab. Corequisites: CADD 110 or permission of the department.

CADD 271 (S)

3 hrs. cr.

Graphic Information Technology I

Basic applications of data transfer and manipulations within industrial environments. Topics could include basic Internet applications, basic Web page design, introduction to data formatting for the Internet, and other topics as the technology changes. One hr. lecture, 4 hrs. of lab.

CADD 272 (F)

3 hrs. cr.

3D Computer Animation

Fundamentals of computer animation on a personal computer focusing on industrial applications, such as product promotion and marketing, motion simulation of machine elements and mechanisms, and its use in presentation, training and instruction. This involves imparting movement and photo-realistic appearance to geometric shapes and models. One hr. lecture, 4 hrs. of lab. Prerequisites: CADD 270 or permission of the department.

CADD 274 (S)

3 hrs cr

Digital Animation Applications

Integration of real life forms with computer generated images, using state of the art scanning, digital touch probe, and motion capturing systems. One hr. lecture, 4 hrs. of lab. Prerequisites: CADD 272 or permission of the department.

CADD 276 (S)

3 hrs. cr.

Computer Animation Studio

Capstone course to enable students to develop professional material for their portfolio. Using the latest, state of the art computer animation tools to complete their studio requirements. One hr. lecture, 4 hrs. of lab. Prerequisites: CADD 274 or permission of the department.

CADD 450 (F)

3 hrs. cr.

Hours

Graphical Information Technology II

A-seminar class applying the advanced applications of data transfer and manipulations within industrial environments. Topics could include advanced Internet applications, advanced Web page design, data formatting, and other topics as the technology changes. One hr. lecture, 4 hrs. of lab. Prerequisite: CADD 271

Land Surveyor in Training **Program of Study**

Completion of the following classes will allow a person who has the necessary field experience and work related hours to sit for the Land Surveyor in Training licensing test in the State of Missouri. The Missouri Board of Architecture, Professional Engineering and Land Surveyors has approved this sequence of courses to meet statute Section 327.312.1(3) RSMo.

Suggested Order of Study

Land Surveyor in Training **Program of Study**

Course

CADD	Core Requirements	15
Spring 1st Semester CADD 230	Elementary Surveying*	3 3
Summer 2nd Semeste CADD 231 CADD 234	er Advanced Surveying Land & Survey Descriptions	3 3 6
Fall 3rd Semeste CADD 232 CADD 233	r Surveying Computations Boundary Control and Legal Principles	3

*Trigonometry (Math 135) is a pre-requisite to CADD 230. Course descriptions page 182.

Computer Assisted Manufacturing

Ummel Technology Building 119, 417.625.9327

E-mail: schultz-d@mail.mssc.edu

Faculty Duggal, Howe, Schultz, Scorse

The department offers an associate of science degree in Computer Assisted Manufacturing Technology. The requirements of this degree will provide a progressive and flexible technical education, which will assist in securing employment in rapidly changing technological fields.

A variety of courses in this program emphasize the use of computers and various software, which enrich the skills acquired by the students to compete in this ever-changing age of modern technology. These include: Computer Numerical Control, Introduction to 3D CADD, Fundamentals of Robotics, Computer Animation in Industry, Computer Assisted Manufacturing and Computerized Production Planning and Control Systems. General education course work in Mathematics, Physical Science, English, History and Communications will give the student the additional knowledge and skills employers are seeking.

The courses in the Computer Assisted Manufacturing Technology curriculum are designed to provide the students with applications-oriented training in both basic and advanced aspects of technology. Lectures followed by Lab training on equipment such as a computer numerical control machining center and an industrial robot enable the student to apply information learned in lecture and also allow for individual innovation. Students have received recognition in worldclass competition for innovative developments in robotics.

Professional faculty interact with local industry to insure that instruction is current with the latest technological developments. This interaction of faculty and involvement of an individual in the Society of Manufacturing Engineers Student Chapter provides students with excellent contacts for internships and employment.

The program holds national certification with the National Institute of Metalworking Skills (NIMS).

Baccalaureate Options

Students who complete the A.S. degree in CAMT may continue their education by pursuing a baccalaureate degree in one of three areas:

- Manufacturing Information Management Systems (MIMS)
- Computer Information Science
- Management Technology
- Industrial Technology Education

The first option is designed to equip the manufacturing technologist with vital management skills in areas such as TQM, SQC/SPC, EDI and Computerized Manufacturing Applications. The second option is a BS degree with a background in LAN management, data structures and data base operation. The third option would provide management and marketing skills that would lead to an entry level management position in manufacturing. The fourth option is offered in conjunction with the Education department to prepare students for middle or secondary certification in Industrial Technology teaching field.

We also offer a one-year certificate program in Manufacturing Applications. For additional information contact the CAMT department.

Associate of Science Degree Major Code 5399

Computer Assisted Manufacturing Technology

	Semester F	lours
Core Requ	irements (p. 34)	26
Computer	Assisted Manufacturing	
Technolog	y Requirements	15
CAMT 100	Intro to Machine Tool	
	Processes	3
CAMT 105	Precision Machining	3
CAMT 160	Inspect & Gaging	3
CAMT 200	Computer Numerical	
	Control	3
CAMT 250	Computer Assisted	
	Manufacturing	3
	and the second second	

Manufacturing Technology Electives			s 24
	CAMT 110	Fundamentals of	
		Cutting Tools	1
	CAMT 150	Materials and Processes	3

CANATOOO	T 10 : (
CAMT 202		•
CAMTOAO	Manufacturing	3
CAMT 240 CAMT 220	Industrial Materials	3
CAMT 298	Fundamentals of Roboti	ics 1
CAMIT 298	Selected Topics in	
CANATOOO	Manufacturing	1-8
CAMT 330	Quality Control and	•
CANT 100	Reliability	3
CAMT 490	Internship in	•
CANAT 400	Manufacturing Tech	3
CAMT 498	Seminar in	
CANT 100	Manufacturing Tech	3
CAMT 499	Independent Study	
CADD	in Manufacturing Tech	1-3
CADD 260	Engineering Graphics I	
CADD 298	Selected Topics Draftin	ig &
	Design Engineering	10
CADD 498	Technology	1-8
CADD 496	Seminar in Drafting &	
	Design Engineering Technology	1-3
CADD 499	Independent Study in	1-3
CADD 499	Drafting & Design	
	Engineering Tech	1-3
MIMS 305	Basic Electricity &	1-3
IVIIIVIS 303	Electronics	3
MIMS 310	Computer Production/	3
WIIIWIG GTO	Planning Control	3
MIMS 315	Statics for Engineering	3
WIIIWIO 010	Techology	3
MIMS 320	Applied Statistical	0
WIIIVIG 020	Quality Control	3
MIMS 325	Dynamics and Kinomat	
WIIIVIO 020	for Engineering Tech	3
MIMS 350	Industrial Supervision (M	
MIMS 410	International Trends	, 0
	in Manufacturing (WI)	3
MIMS 425	CAD/CAM Systems	3
MIMS 435	Professional Internship	3

Suggested Order of Study

Associate of Science Degree Major Code 5399

Computer Assisted Manufacturing Technology Major

Freshman Year

1st Semeste	er	
Course		Hours
CAMT 100	Intro Mach Tool Processes	3
CAMT 160	Inspect & Gaging	3
CORE	[Math 30 or Math 114 or	
	Math 130]	3
CORE	[Psy 120 College Orient]	1
Manufacturi	ng Technical Elective	6
		16

CORE CORE	Precision Machining [Eng 101 Comp I] [Comm 100 Oral Comm] [Kine 101 Physical Activity] Ing Technical Electives	3 3 1 6 16
Sophomore	Year	
1st Semeste	er	
CAMT 200	Comp Numeric Control	3
CORE	(Phys 100 Fund of Phys Sci)	5
CORE	(Hist 110/Hist 120)	3
Manufacturii	ngTechnical Elective	6
		17
2nd Semest	er	
CORE	[Econ 201Econ-Macro]	3
CAMT 250	Comp Assisted Manu	3
CORE	[Humanities/Fine Arts]	3
CORE	[Kine 103 Lifetime Wellness]	_
Manufacturin	ngTechnical Elective	6
	Test or PSc 120	3
	17-	20

See department faculty for information on college credit for work experience through the development of an employment portfolio.

For additional information contact:

Mr. Don Schultz

Office: Ummel Technology Building 115

Phone: 417.625.9327

E-mail: schultz-d@mail.mssc.edu

Course Descriptions

CAMT 100 (F, S)

3 hrs. cr.

Intro to Machine Tool Processes

The theory and safe operation of basic machine tools. Fundamental practices include: safety, basic mathematics, blueprint reading, benchwork, precision measurement, metal sawing, drills and drilling, pedestal bench grinding, engine lathes, mills. One hr. lecture, 4 hrs. lab.

CAMT 105 (S)

3 hrs. cr.

Precision Machining

An introduction to the operation of surface, cylindrical, tool and cutter grinders. Principles of inspection and gaging, applied trigonometry, tooling geometry and advanced lathe and milling practices will be covered. One hr. lecture, 4 hrs. of lab. Prerequisites: CAMT 100, CADD 110, Math 130 or consent of instructor.

CAMT 110 (F, S)

1 hr. cr.

Fundamentals of Cutting Tools

Introduction to tool geometry, chip formation and effects of coolants and tool design on tool life. Instruction on the sharpening of standard cutting tools for drilling, formed relieved end mills and

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mill cutters, and the applications of various factors on machinability. The use of carbides and ceramics as cutting tools. One hr. lecture, 4 hrs. of lab. Prerequisite: It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 150 (F, S) 3 hrs. cr. Materials and Processes

A survey of manufacturing materials and processes. Properties of ferrous metals and nonferrous metals and plastics. Introduction and application of the principles of casting, welding, molding, hot working, cold working, stamping, forming and material removal processes. One hr. lecture, 4 hrs. of lab. Prerequisite: It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 160 (F) 3 hrs. cr Inspection and Gaging

Inspection, gaging and precision measurement procedures utilizing mechanical, electronic and optical measuring equipment and related math. Geometric dimensioning and tolerancing emphasized. Computer assisted process control methods are introduced and applied to specific inspection procedures. One hr. lecture, 4 hrs. of lab.

CAMT 200 (F, S) 3 hrs. cr.

Computer Numerical Control

Basic numerical control concepts and applications, the operation and setup of numerical control machines including Vertical machining centers and turning centers, numerical control programming as applied to machining applications using MDI. One hr. lecture, 4 hrs. of lab. Prerequisites: CAMT 100, CADD 110, Math 30 or 135 or consent of instructor.

CAMT 202 (S) 3 hrs. cr. **Tool Design**

Tool design and manufacturing is an advanced course on the designing, machining, and manufacturing of production tools, dies, jigs and fixtures. Prerequisites: CAMT 105 and CADD 110. One hour lecture and four hours lab.

CAMT 210 (Demand) 3 hrs. cr.

Computer Animation For Industry

Fundamentals of computer animation on a personal computer focusing on industrial applications, such as product promotion and marketing, motion simulation of machine elements and mechanisms, and its use in presentation, training and instruction. Involves imparting movement and photorealistic appearance to geometric shapes and models. One hr. lecture, 4 hrs. of lab. Prerequisites: CADD 115 or COMP 105 or permission of the department.

CAMT 220 (Demand) 1 hr. cr. Fundamentals of Robotics

Fundamental concepts underlying robot programming and its applications in the manufacturing industry. Covers operation of an industrial robot arm, both lead through and textual programming, end effector design, interfacing with computers

and CNC machines and control systems. Class meets for five weeks. One hr. lecture, 4 hrs. of lab. Prerequisite: Take concurrently with CAMT 110 and CAMT 150 as a 3 hr. block. It is also recommended that students take CAMT 100 as a prerequisite or concurrently.

CAMT 240 (S) 3 hrs. cr. Industrial Materials

Introduction to metallurgy and nonmetallic materials currently used in todayŌs manufacturing settings. Theory and application of principles for identifying, producing, conditioning and testing materials. Laboratory activities involve both manual and computer assisted testing. One hr. lecture, 4 hrs. of lab. Prerequisite: CAMT 150.

CAMT 250 (S) 3 hrs. cr.

Computer Assisted Manufacturing

Advanced techniques of CNC & N/C programming using a completely integrated environment. Concepts of manufacturing programs being an integral part of a dynamic environment as compared to being in an isolated system. One hr. lecture, 4 hr. laboratory per week. Prerequisites: CAMT 200 or consent of instructor.

CAMT 298 (Demand) 1-8 hrs. cr.

Selected Topics in

Manufacturing Technology

Special topics in new or emerging manufacturing technology not normally included in another course. Prerequisites specified by the department in a course syllabus.

CAMT 310 (Demand) 4 hrs. cr.

Manufacturing Data Processing

Designed to teach overall data processing techniques as relating to the manufacturing environment. A solid foundation of manufacturing processes and departmental structuring is required in addition to knowledge of microcomputer usage. Two hrs. lecture, 6 hrs. lab. Prerequisites: CAMT 100, Comp 105 or PC DOS, CADD 115, Acct 201 or consent of instructor.

CAMT 330 (Demand) 3 hrs. cr. Quality Control and Reliability

The concept of quality control and its applications. The importance of quality control, tools and techniques of SPC/SQC covering control charts used in quality control analysis, inspection and testing for quality control, process variability, product reliability and maintainability. Two hrs. lecture, 4 hrs. lab. Prerequisites: CAMT 100 & 160, Comp 105 or PC DOS, Math 310 or GB 321 or GB 405 or consent of instructor.

CAMT 490 (Demand)

1-8 hrs. cr.

Internship in Manufacturing Technology
A structured work experience in manufacturing
technology at an institution, facility or industry not
directly related to Missouri Southern. Practical
application of the students' majors under the
direct supervision of an on-site professional who
is not an MSSC faculty or staff member. A faculty

member will be responsible for approving the

placement site and supervising the overall activities of the internship. Prerequisite: 15 hrs. of CAMT courses and permission of a committee.

CAMT 498 (Demand) 1-3 hrs. cr.
Seminar in Manufacturing Technology

Covers specialized knowledge and skills related to new developments in manufacturing technology. Topics will vary by the semester and situation. Prerequisite: Senior standing in management-technology or an associate degree in manufacturing technology.

CAMT 499 (Demand) 1-3 hrs. cr. Independent Study in Manufacturing Technology

Individually directed reading, research and report preparation in selected areas of contemporary manufacturing technology, for advanced majors. Scope, depth and area of concentration and credit will be arranged when enrolling in the course. Offered by arrangement. Prerequisite: Completion of required manufacturing technology courses with minimum 3.0 GPA and permission of instructor, department head and school dean.

Industrial Technology Education

Ummel Technology Building Room 148, 417.625.9834

Faculty Bartholet, Scorse

The Industrial Technology Education degree has certifications for both middle school (grades 5-9) and Secondary (grades 9-12). The middle school certification in Industrial Technology is one of two areas of concentration that a student may select from to complete their education degree. The student who desires to teach in a secondary school will have a single teaching field. Technology education is an applied discipline designed to promote technological literacy at all levels. It is the intent of such study to provide students with an understanding of their technological culture so they can become intelligent consumers of their technology. Therefore, the program is designed to produce individuals who can solve problems involving the technical means humans' use for their survival. Technology education capitalizes on the needs humans have for expressing themselves with tools and materials. Technology lit-

Industrial Technology Education / 187

eracy is considered a basic and fundamental study for all persons regardless of educational or career goals. As a result of these goals, the discipline is both academic and laboratory oriented.

Bachelor of Science in Education Middle School Education

Grades 5-9 Certification in Industrial Technology (This degree is 1/2 of a dual degree for Middle School Certification)

Bachelor of Science in Education with a major in Industrial Technology

Grades 5-9 Certification One of Two Teaching Fields

	Semester	Hours		
Core Requ	uirements (p.33) [51*]	48*		
Education Certification Requirements 51				
Educ 330	Industrial Technology			

Methods 3
Industrial Technology Requirements: 21
Communications 6
CADD 110 Engineering Graphics 3
CADD 271 Graphic Eng. Tech. 3

Energy & Power
MIMS 381 Basic Energy & Power 3

3

9

Materials & Process

CAMT 100 Intro Machine Tool Proc 3 CAMT 150 Materials and Process 3 MIMS 391 Wood Working & Plastic 3

Organization and Administration
MIMS 350 Industrial Supervision 3

Second Teaching Field 25-28 TOTAL 148-151

*Required course in psychology satisfies the requirement for three hours of the core curriculum.

Bachelor of Science in Education – Middle School Education

Candidates who elect middle school (grades 5-9) as their major must complete two areas of concentration consisting of 22-32 hours in each area. The curriculum for these areas is a joint effort by the departments of teacher education and the teaching specialty. Students who desire to teach in a middle school may choose to become qualified in any two of the following seven areas: Language Arts (English), Math, Science, Social Studies, Business, Industrial Technology, Speech/Theatre.

Middle School Professional Education sequence Grades 5-9

Semester Hours Math 119 Math Elem I 3 Math 120 Math Elem II 3 Psy 305 Child/Adolescent Dev 4 Psy 310 Educ Psychology 2 Psy 412 Meas. & Eval. 2 Educ 100 Intro to Tchr Educ I Educ 200 Intro to Tchr Edu II 1 Educ 301 Use of Cmptr. Sftwre 3 Educ 302 **Exceptional Child** Two content area Methods Courses (Educ 311,312,

322,336,340,344,330) 4-6 Educ 321 Microteaching Educ 329 Pedagogical Theory Educ 423 Classroom Management 2 Educ 342 **Development Reading** Educ 343 Content Area Lit: MS 3 Educ 402 Foundations of Educ. 2 Educ 412 Phil, Org. & Curr. Educ 413 Mthds Tchg in Mid. Grds. 2 Educ 432 2 Critical Issues Educ 452 Student Teaching 8

The core and department of education requirements for the middle school program total 100 hours. The number of hours added to this core depends on the two content areas chosen. The possible choices and hours are listed below:

IT/SS = 35 IT/S-T = 50 IT/LA = 41 B/IT = 47 Sci/IT = 43 Math/IT = 43

Suggested Order of Study

Bachelor of Science in Education Middle School Education with Industrial Technology Concentration

Candidates will need to check with their advisers for additional courses that must be taken in each of two chosen areas of concentration Language Arts, Social Science, Science, Industrial Technology, Business, Speech/Theatre, or Math.

Freshman Year

 1st Semester

 Course
 Hours

 Educ 100
 Intro to Tchr Educ I
 1

 CORE
 [Eng 101 Comp I] (WI)
 3

 CORE
 [Math 119 Math Elem I]
 3

 CORE
 [Econ 180 Amer Econ]
 3

Psy 120 CORE CORE	College Orientation [Comm 100 Oral Comm] * [Kine 101 PE Activity]	1 3 1 15
2nd Semest CORE CORE CORE Psy 100 CORE	er [Math 120 Math Elem II] [Eng 102 (Eng 101)] (WI) [Hist 110 U.S. 1492-1877] General Psychology [Bio 101 Gen Biology]	3 3 3 4 16
Summer-Fre Concentration	eshman Year on Area	4-8 4-8
Sophomore 1st Semeste CORE CORE CORE Educ 301 Educ 200 CORE MIMS 381		s] 2 3

2nd Semester

Pass C-Base test for admission. Verify that ACT score is 20+. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Apply for admission to the Teacher Education Program. Get faculty recommendation, write autobiography, and file admission papers for tentative admission. If ACT is less than 20, candidate should retake the ACT.

Psy 305	Child/Adolescent Dev	4
CORE	[Humanities/Fine Arts (2C)]	3
CORE	[Humanities/Fine Arts (2A)]	3
CAMT 100	Intro Machine Tool Proc	3
CADD 110	Engineering Graphics	3
Concentratio	n 2nd Area	3
		19

Summer-Sophomore Year	
Concentration 2nd Area	4-8
	10

Junior Year

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ" prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301 and Educ 302)

100, Educ 200, Educ 301 and Educ 302).				
Educ 329	Ped Theory Methds Prac	4		
Educ 321	Microteaching	2		
Educ 423	Classroom Management	2		
Educ 342	Dev Reading: Elementary	3		
Concentration 2nd Area				
MIMS 391	Wood Working & Plastics	3		
		17		

2nd Semester

Psy 310

Must be fully admitted to the
Teacher Education Program
Educ 343 Content Area Lit: M.S. (WI)
Educ 302 Exceptional Child

Educational Psychology

3

2

2

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CORE 5a CADD 271 CAMT 150 Concentration	[IB 310 International Bus.] Graphics Info. Tech. Materials and Process n 2nd Area	3 3 3 2-3 19
Summer-Jun Concentration	n 2nd Area	2-8 2-8
Senior Year 1st Semester Educ 412 Psy 412 Educ MIMS 350 Concentratio CORE	Middle School Curr Measurement & Eval 2nd Certification Area Industrial Supervision n 2nd Area	2 2-3 3 4-5 3
2nd Semeste Educ 402 Educ 413 Educ 432 Educ 452 Educ 330	Froundations of Educ (WI) Methods of Tchng M.S. Critical Issues Student Teaching Industrial Tech Methods	2 2 2 8 3

(Prerequisites)

[Department Recommendations]

*Candidate must have speech evaluation filed in the Educations Dean's office.

** This is a certification requirement and must be taken by all teacher education candidates prior to Junior Block or concurrently.

For additional information contact:

Dr. Tia M. Strait, Dean School of Technology Office: Justice Center 126 Phone: 417.625.3155 E-mail: strait-t@mail.mssc.edu

Mr. Francis Bartholet Industrial Technology

Office: Ummel Technology 112

Phone: 417.625.9567

E-mail: bartholet-f@mail.mssc.edu

Mr. John Scorse, CMFGE Industrial Technology

Office: Ummel Technology 148

Phone: 417.625.9834

E-mail: scorse-j@mail.mssc.edu

Bachelor of Science in Industrial Technology

Major Code: 9040 Grades 9-12 Certification

Core Requ	irements (p.35) [51]	4	18*
Education	Certification Requirement	nt	S
(p. 162)	4	3-	45
Industrial T	echnology Requirements		36
Communic	eations: (minimum 7)		9
CADD 110	Engineering Graphics	3	
CADD 220	Architectural Drafting	3	
CADD 271	Graphic Info. Tech.	3	
Energy & F	Power: (minimum 7)		9
MIMS 381		3	
MIMS 305	0.	3	
MIMS 383	Power Generation		

Materials & Process: (minimum 7)			
CAMT 100	Intro Machine Tool Proc.	3	
CAMT 150	Materials and Process	3	
MIMS 391	Woodworking & Plastics	3	

Pneumatics & Hydraulics 3

Organization/Administration: (min. 5)
MIMS 350 Industrial Supervision 3
MIMS 310 Prod. Planning & Control 3

Additional related: (for a total of 36) 3 MIMS 393 Wood & Plastics Science 3 Total 127/129

* Required course in psychology satisfies the requirements for three hours of the core curriculum.

Suggested Order of Study

Bachelor of Science in Education Secondary Education (9-12) Industrial Technology Emphasis

Major Code 9040

Freshman Year

1st Semeste	er	
Course		Hours
Educ 100	Intro to Tchr Educ I	1
Psy 100	General Psychology	3
CORE 1a	[Eng 101 Comp I] (WI)	3
CORE 1c	[Math 130 Math]	3
Psy 120	College Orientation	1
CORE 1b	[Comm 100 Oral Comm]*	3
CORE 1d	[Kine 101 PE Activity]	1

2nd Semeste	er	
CADD 110	Engineering Graphics	3
CAMT 100	Intro to Machine Tool Proc	3
CORE 1d	[Kine 103 Lifetime Wellness]	2
CORE 1a	[Eng 102 (Eng 101)] (WI)	3
CORE 4a	[Hist 110 US 1492-1877]	3

[Bio 101 Gen Biology]

Sophomore Year

1st Semester

CORE 4a CORE 3a

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

specially cou	11000.	
Educ 200	Intro to Tchr Educ II	1
Educ 302	Exceptional Child	2
CORE 3b	[Phys 100]	5
CORE 4a	[Hist 120 US 1877-present]	3
MIMS 391	Wood Working & Plastics	3
MIMS 381	Basic Energy & Power	3
		17

Pass first available C-Base test. Verify that ACT score is 20. Have a 2.5 GPA in the teaching specialty area and a 2.75 cumulative GPA. Get faculty recommendation, write autobiography, and file admission papers for tentative admission.

2nd Semester

Follow teaching specialty department recommendations for core courses and teaching specialty courses.

specially cou	1000.	
Educ 301	Comp Software Clsrm**	3
Psy 301	Adolescent Development	3
CADD 220	Architectural Drafting	3
CAMT 150	Materials and Process	3
CORE 2c	[Humanities/Fine Arts (2C)]	3
CORE 2a	[Humanities/Fine Arts (2A)	3
		18

Junior Year

1st Semester

Candidate must be tentatively admitted to the Teacher Education Program before courses with an "Educ" prefix can be taken. (Exceptions: Educ 100, Educ 200, Educ 301, and Educ 302).

Educ 100, Ed	duc 200, Educ 301, and Educ	30
Educ 329	Ped Theo Meth & Prac	4
Educ 321	Microteaching	2
Educ 423	Classroom Management	2
CORE 4a	[PSc 120 Gov't: US/St/Loc]	3
MIMS 350	Industrial Supervision	3
CORE 2b	[Humanities/Fine Arts (2B)]	3
		17

Follow departmental recommendations for teaching specialty courses. If recommended by Junior Block instructors, and by the teacher education faculty, receive full admission to teacher education.

2nd Semester

Follow departmental recommendations for teaching specialty courses.

CADD 271 Graphics Info. Tech. MIMS 305 Basic Electricity & Electronics 3	ing specially	courses.	
MIMS 305 Basic Electricity & Electronics 3 MIMS 393 Woods & Plastic Science 3 MIMS 383 Power Generation	Psy 310	Educational Psychology	3
MIMS 393 Woods & Plastic Science 3 MIMS 383 Power Generation	CADD 271	Graphics Info. Tech.	3
MIMS 383 Power Generation	MIMS 305	Basic Electricity & Electronics	3
	MIMS 393	Woods & Plastic Science	3
Pneumatics And Hydraulics 3	MIMS 383	Power Generation	
		Pneumatics And Hydraulics	3

Industrial Technology Education, MIMS / 189

Senior Year

1st Semester

Follow the departmental recommendations for teaching specialty courses. Apply for student teaching during the second week of the semester.

Educ 422	Content Area Lit: Sec. (VVI) 2
Psy 412	Measurement & Eval.	
OR		
Educ 412	Mid School Curr	
OR		
Educ 420	Intro to Counseling	2-3
MIMS 310	Prod Planning & Cntl	3
CORE 5a	[IB 310 Internt'l Bus]	3
CORE 4a	[Econ 180 Amer Econ]	3
		13-14

2nd	Semester
-----	----------

Educ 402	Foundations of Educ (WI)	2	
Educ 432	Critical Issues	2	
Educ 330	Industrial Technology Meth.	3	
Educ 462	Student Teaching Sec	8	
		15	

(Prerequisite)

[Department Recommendations]

*Candidate must have speech evaluation filed in the Education Dean's office.

** This is a certification requirement and must be taken by all teacher education candidates prior to Junior Block or concurrently.

For additional information contact:

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Mr. John Scorse, CMFGE Industrial Technology

Office: Ummel Technology 148 Phone: 417.625.9834

E-mail: scorse-j@mail.mssc.edu

Course descriptions for course requirements in Industrial Technology are located on pages 182-191.

EDUC 330 (S) 3 hrs. cr.

Industrial Technology Methods

This is a required education course, which is an introduction to the instructional planning, materials, philosophy, rationale, and methods of teaching Industrial Technology. It is a part of the professional semester. Prerequisites: Advanced standing in major field: admission to teacher education program. (Junior Block)

Manufacturing Information Management Systems (MIMS)

Ummel Technology Building 153 417.625.9305 or 417.625.9757

Faculty Bartholet, Duggal, Howe, Schultz, Scorse

This degree program blends the management, design and manufacturing application aspects in a unique way to produce a graduate that is functional at floor level manufacturing and management environment. Students must have completed an associate degree in a technical field in order to complete the Manufacturing Information Management Systems (MIMS) program.

Management Information Management Systems (MIMS)

Semester Hours

Core Requirements (p. 34) 45				
(6 hours	(6 hours core included in major)			
Associate	of Science in			
Technical	Field		36	
Required M	MIMS Curriculum		45	
MIMS 310	Comp Prod Plan/Control	3		
MIMS 350	Industrial Supervision (WI)	3		
MIMS 305	Basic Electricity & Elec	3		
MIMS 420	Manufacturing Computer			
	Applications	3		
CAMT 240	Industrial Materials	3		
CIS 305	Microcomp App's	3		
MIMS 320	Applied Stat			
	Quality Control	3		
MIMS 450	Graphics Info Tec II	3		
MIMS 415	Mechanical Design	3		
MIMS 425	Manuf Info Systems	3		
IB 310	International Business	3		
	(core requirement Area 5))		
GB 321	Business Statistics I	3		
GB 405	Statistical Quality Control			
MM 350	Principal of Marketing (WI)	3		
Econ 202	Economics-Micro	3		
	(core requirement Area 4))		

Suggested Order of Study

Bachelor of Science

Major Code 4997

Management Technology with an emphasis in Manufacturing Information Management Systems (MIMS)

Junior Year

1st Semest	er	
Course		Hours
MIMS 310	Comp Prod Plan/Control	3
MIMS 350	Industrial Supervision (WI)	3
GB 321	Business Stats I	3
MM 350	Prin of Management (WI)	3
CORE	[Eng 102 Comp II]	3
CORE	[Area 3C]	3
		18
0.10		
2nd Semes		
MIMS 305	Basic Electricity & Elec	3
GB 405	Statist Quality Control	3
MIMS 420 CAMT 240	Mfg Computer Appl	3
Econ 202	Industrial Materials	3
CORE	Economics (Micro)	3
CORE	[Bio 101 Gen Biology]	19
		19
Senior Yea	r	
1st Semeste		
CIS 305	Microcomp App's	3
CORE	[Area 2C] (WI)	3
MIMS 320	Applied Stat Quality Cntl	3
MIMS 450	Graphics Info Tec II	3

State, Local]

CORE

126

		15
2nd Semes	ter	
MIMS 415	Mechanical Design	3
MIMS 425	Manuf Info Systems	3
CORE	[Area 2B]	3
CORE	[IB 310] (Area 5)	3
CORE	[Hist 120/320]	3

[PSc 120 Gov't: U.S.,

3

*Students in the MIMS program will need Math 125 or higher to meet Core requirements for a Bachelors degree.

Students should consult the department faculty in the Design Manufacturing Information Technologies at the earliest possible date in order to incorporate the correct sequence into the appropriate associate of science degree program.

For additional information contact:

Dr. Tia M. Strait, Dean School of Technology Office: Justice Center 126 Phone: 417.625.3155

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For additional information contact:

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Mrs. Elke Howe

Office: Ummel Technology 146

Phone: 417.625.9849

E-mail: howe-e@mail.mssc.edu

Mr. John Scorse

Office: Ummel Technology 148

Phone: 417.625.9834

E-mail: scorse-j@mail.mssc.eduu

Course Descriptions

MIMS 305 (S) 3 hrs. cr.

Basic Electricity and Electronics An integrated study of DC and AC circuits in which the sinusoidal system is introduced and safety with the use of lockout and tagout procedures and methodology. Topics covering the concepts of Ohm's Law, Kirchoff's Laws and DC circuits such as series circuits, parallel circuits, and series-parallel circuits. The study of capacitors and inductors serves as an introduction to the sinusoidal system and the behavior of R, L, and C in a sinusoidal system. The laboratory component includes the use of test instruments dealing with Ohm's Law, series circuits. Lab also includes a study of internal resistance and loading as well as basic circuit design including single and three phase circuits as well as control voltage circuits. Two hrs. lecture, 2 hrs. lab.

MIMS 310 (F) 3 hrs. cr.

or above or consent of the instructor.

Computer Production/Planning Control Theory and application of production and inventory management philosophies and techniques

Prerequisite: Phys 100 or higher and Math 125

as they relate to the study of computer-integrated manufacturing (CIM). Students will address such areas as material handling, scheduling, MRP, JIT, inventory control models, lean manufacturing, flexible manufacturing systems, shop-floor control, etc. Two hrs. lecture, 2 hrs. lab. Prerequisites: Math 130, Comp 105 or CIS

305 or consent of instructor.

MIMS 315 (Demand) 3 hrs. cr.

Statics for Engineering Technology

Practical aspects of statics and strength of materials with emphasis on comprehension of underlying principles and their applications. Topics include: vector algebra, force equilibria, moments, trusses, static and kinetic friction, me-

chanical properties of materials, stress and strain, thin-walled vessels, beams, shear and bending moment and torsion. Two hrs. lecture, 2 hrs. lab. Prerequisites: Phys 100 or higher and Math 125 or higher.

MIMS 320 (F) 3 hrs. cr.

Applied Statistical Quality Control

The concept of quality and its applications. Importance and impact of Total Quality Control for manufacturing and service industries in today's age of global competition. Tools and techniques of Statistical Quality/Process Control including control charts, capability analysis, and problem solving tools will be discussed. Aspects of inspection, testing, sampling plan as they relate to interface with quality control and automated data collection will be covered. Two hrs. lecture, 2 hrs. lab. Prerequisites: GB 321, GB 405 or permission of the instructor.

MIMS 325 (Demand)

3 hrs. cr.

Dynamics and Kinematics for

Engineering Technology

Second part of a two semester course in mechanics. Includes: Kinematics, rectilinear and angular motion, plane motion, principles of work, energy and power, impulse and momentum with practical applications to engineering technology., basic motion analysis, rotary motion, cams, gears and introduction to automation devices. Two hrs. lecture, 2 hrs. lab. Prerequisites: Phys. 100 or higher and Math 125 or higher.

3 hrs. cr. MIMS 350 (F) Industrial Supervision (Writing Intensive) A dynamic look at the interrelationship between work assignments, work performance, and performance outcomes within an industrial work environment. Skills focused introduction to supervision. The job of supervisor is explained and examples of how supervisors operate in real situations are discussed. The focus is on key skills needed for effective supervision - e.g., goal-setting, delegating, budgeting, interviewing, motivating, counseling and coaching. An examination of group dynamics, presentations, and basic interpersonal skills will be combined to establish an understanding and develop a sense of commitment to a positive and progressive work ethic. Prerequisite: Junior standing, 6 hours English Comp or permission of department.

MIMS 381 (F) 3 hrs. cr. Introduction to Power and Energy

This is a required technology course which is an introduction to the methods used in industry for the use of creating force / power and the generation of this energy / power. Emphasis is placed on the investigation and conceptual understanding of methods of power generation as well as the distribution and use of the energy developed. Two-hours lecture and two-hours lab per week.

MIMS 383 (F)

3 hrs. cr.

3 hrs. cr.

Power Generation including Pneumatic and Hydraulics

This is a required technology course which is an advanced study in the methods used in industry for the use of creating force/power and the generation of power. Emphasis is placed on the advanced investigation and conceptual understanding of the methods of power generation as well as the distribution as it relates to pneumatics and hydraulics. Two-hours lecture and two-hours lab per week.

MIMS 391 (S) 3 hrs. cr. Wood Working and Plastics for Shop

This is a required technology course which is an introduction to the methods used in industry in the processing and production of wood and plastic products. The student will develop an appreciation for and knowledge of materials, products, tools and process. Emphasis is placed on the proper and safe use of wood and plastic machines, tools, and chemicals as well as pride in workmanship. Students will be given an

opportunity to design and build wood and plastic products throughout the course. Two-hours lecture and two-hours lab per week.

MIMS 393 (F)
Wood and Plastic Science

This is a required technology course, which is an introduction to the science of wood and plastic and the processing and production of wood or plastic components as well as basic cabinet construction. The student will develop an appreciation for and knowledge of materials, products, tools and process as required in shop and industrial applications. Emphasis is placed on the proper and safe use of wood and plastic machines, tools, and chemicals in the processing or production of wood and plastic components. Students will be given an opportunity to investigate their knowledge of design and building of wood and plastic products throughout the course. Prerequisite of technical math or equivalent and MIMS 391. Two-hours lecture and twohours lab per week.

MIMS 405 (Demand) 3 hrs. cr. **Mechanics of Materials**

Calculations of material strength and deformation are complemented with principles and practice of mechanical testing including instrumentation and measurement in the areas of loads, stresses, deformations, thermal stresses, and other quantities. Two hours lecture and two hours lab a week. Prerequisite: MIMS 315,

MIMS 410 (Demand) 3 hrs. cr.

International Trends in

MIMS 325.

Manufacturing (Writing Intensive)
Discussion of issues and trends in U.S. manufacturing and technology with special emphasis on the causes and consequences of its internationalization in the face of global competition.

Course content may vary to ensure that contemporary or latest developments are highlighted. Prerequisites: Junior standing, 6 hrs. of English Comp. or permission of the department.

MIMS 415 (S)

3 hrs. cr.

Mechanical Design

Machine elements in mechanical design, design for different modes of failure, tolerances and fits, shaft design, keys and couplings, springs, spur gears, belts and chains, clutches and brakes, and rolling contact bearing. Two hrs. lecture, 2 hrs. lab. Prerequisite: Phys 100 or higher and Math 125 or above.

MIMS 420 (S)

3 hrs. cr.

Manufacturing Computer Applications Introduces problem solving and analysis in the application of integrated manufacturing information systems software. Includes: design, production routing, project planning and tracking, material handling and inventory control, coding and classification using current integrated manufacturing software.

MIMS 425 (S)

3 hrs. cr.

Manufacturing Information Systems

Principles taught in the course apply in all phases of engineering work, including new product design and development, process development, and manufacturing process improvement. Applications from various fields of engineering will be illustrated throughout the course. Computer software packages to implement the methods presented will be illustrated extensively and used for homework assignments and term projects. Two hours lecture, 2 hrs. lab. Prerequisite: Senior standing.

MIMS 435 (F,S,S)

3 hrs. cr.

Professional Internship

An eight week supervised industrial training experience in a design manufacturing engineering environment. The intern will be placed with a cooperating company to work under the guidance of the college and the company on various product design manufacturing activities. This experience should greatly expand and support the educational experience provided to the student. Prerequisite: Completion of junior year coursework CIS 305, MIMS 310.

MIMS 450 (F)

3 hrs. cr.

Graphical Information Technology II

A seminar class designed to apply the advanced applications of data transfer and manipulations within industrial environments. Topics could include advanced Internet applications, advanced Web page design, data formatting, and other topics as the technology changes. One hr. lecture 4 hrs. lab. Prerequisite: CADD 271.

MIMS 490 (S)

3 hrs. cr

Manufacturing Applications (Capstone)
Allows the student to build on all the skills and knowledge gained in prior coursework and creative implementation of the concepts learned through projects or internships pertaining to

various manufacturing applications. Will work in teams on project(s) that will take them from ideas through various aspects of design, development and manufacturing to conclusion. Prerequisites: Senior standing.

One Year Certificate In Manufacturing Applications

One year certificate program in Manufacturing Applications is offered through Computer Aided Drafting and Design (CADD) and Computer Assisted Manufacturing Technology (CAMT). Refer to the individual departments CADD (page 181) and CAMT (page 184) for course descriptions.

The student has four options to choose from:

- CADD Operator
- CNC Operator
- Reverse Engineering Technician
- Quality Technician

CADD Operator

The program is structured to prepare individuals to perform Computer Aided Drafting and Design work in CADD laboratories. The trained individual will have the skills to prepare drawings for manufacture and make design amendments to existing drawings using CADD programs. The program will prepare the individual to work as a CADD operator, as well as a drafting technician and a detailer.

Suggested Order of Study

Certificate Manufacturing Applications 1st Semester

Course		Hours
CAMT 100	Intro to Machine Tools	3
CAMT 110	Fund of Cutting Tools	1
CAMT 160	Inspection & Gaging	3
CADD 115	Intro to CAD	3
CADD 110	Engineering Graphics I	3
CAMT 150	Materials & Processes	1
Technical Ele	ective	3
		17
2nd Semeste	er	
CAMT 105	Precision Machining	3
CADD 130	Engineering Graphics II	3
CADD 202/C	AMT 202 Tool Design	
	and Manufacturing	3
CAMT 200	Computer Num. Control	3
Math 30	Intermediate Algebra	3
OR		
Math 114		3
Technical Ele	ective	3
		18

Certificates of Competencies

The competency certificate programs in Manufacturing Applications are offered through Computer Aided Drafting and Design Engineering Technologies (CADD) and Computer Assisted Manufacturing Technology (CAMT) programs. These certificates can be earned by completing four course sequences.

Suggested Order of Study

Certificate of Competency CADD Operator

Course		Hour
CAMT 100	Introduction to Machine	
	Tool Processes	3
CADD 110	Engineering Graphics I	3
CADD 115	Introduction to 3D Compute	er
	Aided Drafting	3
CADD 130	Engineering Graphics II	
OR		
CADD 220	Architectural Drafting	
OR		
CADD 230	Mapping & Surveying	3
		12

CNC Operator

The program is designed to provide skills in the operation of Computer Numerical Controlled (CNC) lathe and milling machines. The student will be equipped to be a CNC Technician upon completion of the program.

Suggested Order of Study

CNC Operator

Course		Hours
CAMT 100	Introduction to Machine	
	Tool Processes	3
CADD 110	Engineering Graphics I	3
CAMT 160	Inspection and Gaging	3
CAMT 200	Computer Numerical	
	Control	3
		12

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Reverse Engineering Technician

The program is structured to prepare individuals to perform work related to recreating drawings from parts in existence and modifying the drawings for retooling for manufacture. The trained individual will have skills to operate equipment such as a 3D Scanner, CMM. and Faro Arm in recreating 2D and 3D drawings. The individual will also transform the drawings to meet the needed specifications for manufacture. The program will prepare the individual to work as a Reverse Engineering Technician, Coordinate Measuring Technician and a CADD Interface Technician.

Suggested Order of Study

Reverse E	ngineering Technician	
Course		Hour
CAMT 100	Introduction to Machine	
	Tool Processes	3
CADD 110	Engineering Graphics I	3
CAMT 160	Inspection and Gaging	3
CAMT 298	Reverse Engineering	
	Tools and Practices	3
		10

Quality Technician

The program is structured to prepare individuals to perform inspection techniques and assure quality in manufacturing and service industries. The trained individual will have the skills to assist a Quality Engineer in inspecting, gathering and analyzing data pertinent to products and services to maintain the desired quality. The program will prepare the individual to work as a Quality Technician, Quality Inspector, and Quality Analyst.

Suggested Order of Study

Quality Technician				
Course		Hours		
Math 030	Intermediate Algebra*	3		
Math 130	College Algebra	3		
CAMT 160	Inspection and Gaging	3		
GB 321	Business Statistics I	3		
MIMS 320	Applied Quality Control	3		
		15		

For additional information contact:

Dr. Tia M. Strait, Dean School of Technology Office: Justice Center 126 Phone: 417.625.3155

E-mail: strait-t@mail.mssc.edu

Computer Information Science

Matthews Hall 223, 417.625.9383

Faculty Oakes - Head, Collins, Earney, Herr, Mays, Pinet, Schiavo, Tunnell

The Computer Information Science (CIS) department provides opportunities for a broad undergraduate education in the many aspects of computer hardware and software. The faculty's main objective is to offer courses of instruction that develop a thorough understanding of methods for utilizing computer technology in the design and implementation of solutions to complex management, scientific, and engineering problems. Within this context, the department offers the following curricula options:

- Bachelor of Science in CIS -Information Systems
- Bachelor of Science in CIS -Computer Science
- Bachelor of Science in CIS -Computational Mathematics
- Bachelor of Science in CIS -Information Technology
- Bachelor of Science in CIS -Computer Technology
- Minor in CIS Network Systems Administration
- · Minor in CIS Information Systems
- Minor in CIS Website Administration
- Associate of Science in CIS -Network Systems Administration
- Associate of Science in CIS -Information Systems
- Associate of Science in CIS -Website Administration
- Certificate of Achievement in Network Systems Administration

The bachelor of science alternatives prepare the student for graduate school or entry level positions such as systems programmer, systems analyst, applications programmer, database administrator, user support specialist, network administrator, or website administrator. A minor or associate of science provides the student pursuing some other major with a credential and expertise in computing, an enhancement that is becoming increasingly important in almost every area of science, education, business, and the arts.

Selected CIS and business classes that develop the student's understanding of an organization's information requirements and procedures for designing an information system that will facilitate its management distinguish the information systems/technology major. The computer science major requires that the student take CIS and mathematics classes that develop an expertise in applied mathematics and the theoretical foundations of computer science. Such knowledge is required to design and implement computer solutions for a wide range of problems encountered in science and engineering.

The computational mathematics curriculum meets the requirements for a double major in computer information science and mathematics. Computer technology qualifies the student for an associate of science degree in computer aided drafting and design (CADD) or computer assisted manufacturing technology (CAMT), as well as a major in CIS.

The network systems administration alternatives are designed to provide the student with the knowledge base necessary for managing local/wide area computer networks, as well as being able to provide user support and training in the area of personal computer hardware and application software. Website administration classes prepare the student to design, implement, and manage a World Wide Web based client/server environment.

The nature of computer information science is such that a student selecting this major should enjoy and have a talent for solving problems. The effectiveness of the CIS curricula is measured by the success of our graduates. Their average starting salaries are among the highest when compared to other majors, and placement records indicate that they have enjoyed an excellent placement rate. Many hold positions as middle and upper-level managers for a wide range of organizations, and several have earned graduate degrees.

^{*} or Placement Test or Acceptable ACT Score

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Only courses in which a student has earned a grade of "C" or above will satisfy departmental requirements for the major or minor in computer information science.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements. Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Bachelor of Science in Computer Information Science

CIS Core		33
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 302	Information Systems I (WI)	3
CIS 310	Database Mgmt. Sys. I	3
CIS 315	Computer Networks	3
CIS 345	UNIX System Admin.	3
CIS 350	Data Structures	3
CIS 370 OR	Adv. Object Oriented Prog.	
CIS 430	Intro to Artificial	
	Intelligence	3
CIS 410	Information Systems II	3
CIS 425	Database Mgmt. Sys. I (V	VI) 3
CIS 450	Operating Systems (WI)	3
CIS Profes	sional Electives	
for Bachelo	or of Science	
Options (S	elect 2 Groups)	12
CIS 230 AND	RPG	6
CIS 321	Advanced RPG	
CIS 234 AND	COBOL	6
CIS 334	Advanced COBOL	
CIS 308	Website Admin. I	6
AND		
CIS 340	Website Admin. II	

Bachelor of Science in CIS -Information Systems Major

Major Code	e 5105	
Core Requirements (51*)		45
CIS Core		33
CIS Profes	ssional Electives	12
Business	Core	21
Acct 201	Principles of Accounting	13
Acct 202	Principles of Accounting	11 3
Acct 325	Managerial Accounting	3
Econ 201	Prin. of Economics (Macro	0)3
Econ 202	Prin. of Economics (Micro	5)3
MM 300	Prin. of Marketing	3
MM 350	Prin. of Management	3
Mathemat	ics Core	3
Math 130	College Algebra	3
General E	lectives	10
Total		124

*Mathematics and economics courses in major requirements satisfy six hours of the core curriculum.

Bachelor of Science in CIS - Computer Science Major

Major Cod	e 5106		
Core Requ	uirements (p. 33) (51*)		45
CIS Core		:	33
CIS Profe	ssional Electives		12
Mathemat	ics Core	:	21
Math 150	Calculus I	5	
Math 250	Calculus II	5	
Math 260	Calculus III	5	
Math 300	Fund. of Math Thought	3	
Math Elect	ive numbered above 320	3	
Physics C	ore		5
Phys 151	Elementary College		
	Physics I	5	
General E	lectives		8
Total		12	24

*Mathematics and physics courses in major requirements satisfy eight hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Bachelor of Science in CIS -Computational Mathematics Major

Major Code 5107

Core Requirements (p. 33) (51*)			
CIS Core			33
Mathemati	ics Core		33
Math 150	Calculus I	5	
Math 250	Calculus II	5	
Math 260	Calculus III	5	
Math 300	Fund. of Math Thought	3	
Math 350	Intro. to Num. Analysis	3	
Math 351	Linear Algebra	3	
Math 371	Operations Research (WI)	3	
Math Electi	ves numbered above 320	6	
Supporting	g Requirements		13
Physics an	d Chemistry Electives**	13	
General El	ectives		2
Total			24

*Mathematics, chemistry, and physics courses in major requirements satisfy eight hours of the core curriculum.

**Must include one from each (excluding Chem 100, Phys 100, Phys 120, Phys 140, Phys 180, and Phys 300).

Bachelor of Science in CIS - Information Technology Major

Major Code	e 5110	
Core Requ	uirements (p. 33) (51*)	48
CIS Core		33
CIS Profes	ssional Electives	12
Supportin	g Concentration**	12
Business	Core (p. 139)	6
Acct 201	Principles of Accounting I	3
Acct 202	Principles of	
	Accounting II	3
Mathemat	ics Core	3
Math 130	College Algebra	3
General E	lectives	10
Total		124

*Mathematics course in major requirements satisfies three hours of the core curriculum.
**Must be approved by the student's adviser and the CIS department head.

Only computer information science courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Bachelor of Science in CIS – Computer Technology Major (CADD)*

Major Code 5108			
Core Requirements (p. 33) (51**)			18
CIS Core		:	33
CADD/CAN	MT/MIMS Core	:	30
CADD 110	Engineering Graphics I	3	
CADD 115	Intro. to CADD	3	
CADD 120	Descriptive Geometry	3	
CADD 130	Engineering Graphics II	3	
CADD 204	Industrial Statics	3	
CADD 210	Technical Illustration	3	
CADD 260	Engineering Graphics III	3	
MIMS 310	Computerized Production	١,	
	Planning, & Control		
	Systems	3	
CAMT 100	Intro. to Machine Tools	3	
CAMT 150	Materials and Processes	3	
Mathematics Core			3
Math 135	Trigonometry	3	
General Electives			10
Total		12	24

*This option also qualifies for an associate of science in computer aided drafting and design.

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**Mathematics course in major requirements satisfies three hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Bachelor of Science in CIS -Computer Technology Major (CAMT)*

'			
Major Code 5109			
Core Requirements	(p. 33) (51**)	4	8
CIS Core		3	3
CAMT/CADD/MIMS	Core	3	0
CAMT 100 Intro. to M	achine Tools	3	
CAMT 105 Precision	Machining	3	
CAMT 150 Materials		3	
CAMT 160 Inspection	s and Gaging	3	
CAMT 200 Computer	Numerical		
Control		3	
CAMT 250 Computer	Assisted		
Manufactu	uring	3	
CADD 110 Engineering	ng Graphics I	3	
CADD 115 Intro. to C		3	
CADD 130 Engineering	ng Graphics II	3	
MIMS 310 Computer	ized Production	١,	
Planning,	& Contol		
Systems		3	
Mathematics Core			3
Math 135 Trigonometry			
General Electives		1	0
Total			24

*This option also qualifies for an associate of science in computer assisted manufacturing technology.

**Mathematics course in major requirements satisfies three hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Minor in CIS - Network Systems Administration

Cyclonic	Manimotration	
CIS Core		21
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 315	Computer Networks	3
CIS 320	NetWare LAN Admin.	3
CIS 325	Windows LAN Admin.	3
CIS 345	UNIX System Admin.	3
CIS 355	Enterprise Network Admin.	3
Total		21

Only computer information science courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Minor in CIS – Information Systems

CIS Core		2
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 230	RPG	
OR		
CIS 234	COBOL	3
CIS 302	Information Systems I	3
CIS 310	Database Mgmt. Sys. I	3
CIS 321	Advanced RPG	
OR		
CIS 334	Advanced COBOL	3
CIS 410	Information Systems II	3
CIS 425	Database Mgmt. Sys. II	3
Total		2

Only computer information science courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Minor in CIS -Website Administration

CIS Core		1	21
CIS 110	Programming I	3	
CIS 210	Programming II	3	
CIS 308	Website Administration I	3	
CIS 310	Database Mgmt. Sys. I	3	
CIS 340	Website Administration II	3	
CIS 345	UNIX System Admin.	3	
CIS 370	Adv. Object Oriented Prog.	3	
Total		:	21

Only computer information science courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Associate of Science in CIS -Network Systems Administration Major

Major Code 5102

Core Requirements (34*) 2		
CIS Core		27
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 310	Database Mgmt. Sys. I	3
CIS 315	Computer Networks	3
CIS 320	NetWare LAN Admin.	3
CIS 325	Windows LAN Admin.	3
CIS 345	UNIX System Admin.	3
CIS 355	Enterprise Network Admin	. 3

CIS 370	Adv. Object Oriented	Prog. 3
Mathemat		3
Math 130	College Algebra	3
General E	11-12	
Total		64

*Mathematics course in major requirements satisfies three hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Associate of Science in CIS - Information Systems Major

Major Code	5103		
Core Requ	irements (34*)	22-2	3
CIS Core		2	7
CIS 110	Programming I	3	
CIS 210	Programming II	3	
CIS 230	RPG		
OR			
CIS 234	COBOL	3	
CIS 302	Information Systems I	3	
CIS 310	Database Mgmt. Sys. I	3	
CIS 321	Advanced RPG		
OR			
CIS 334	Advanced COBOL	3	
CIS 370	Adv. Object Oriented Prog		
CIS 410	Information Systems II	3	
CIS 425	Database Mgmt. Sys. II	3	
Business (Core		6
Acct 201	Principles of Accounting	13	
Acct 202	Principles of		
	Accounting II	3	
Mathemati	cs Core		3
Math 130	College Algebra	3	
General Electives			-6

*Mathematics course in major requirements satisfies three hours of the core curriculum.

Only computer information science and mathematics courses in which a student has earned a grade of "C" or above will satisfy departmental requirements.

Associate of Science in CIS - Website Administration Major

Major Code	5104	
Core Requ	22-23	
CIS Core		27
CIS 110	Programming I	3
CIS 210	Programming II	3
CIS 308	Website Administration	1 3
CIS 310	Database Mgmt. Sys. I	3

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			001116				
CIS 315 Computer Networks	3	Junior Ye			2nd Seme	ester	
CIS 325 Windows LAN Admin.	3	1st Seme			CIS 310	Database Mgmt Sys I	3
CIS 340 Website Administration		CIS 345	UNIX System Admin	3	CIS 350	Data Structures	3
CIS 345 UNIX System Admin.	3	CIS 370	Adv Object Oriented Prog	3	CIS	Professional Elective (1B)	3
		CORE	[Comm 100 Oral Comm]	3	Math 300	Fund of Math Thought	3
		CORE	[Area 2C. Lit/Humanity]	3	CORE	[Area 2A. Fine Art]	3
Mathematics Core	3	CORE	[Hist 110 U.S. History]	3			15
Math 130 College Algebra	3			15			
General Electives	11-12				Junior Ye	ar	
Total	64	2nd Seme	ester		1st Semes	ster	
		CIS 315	Computer Networks	3	CIS 345	UNIX System Admin	3
*Mathamatica course in major requi		CIS	Professional Elective (2A)	3	CIS 370	Adv Object Oriented Prog	3
*Mathematics course in major require		MM 300	Principles of Marketing	3	Phys 151	Elem Coll Physics I	5
satisfies three hours of the core cur	riculum.	Acct 325	Managerial Accounting	3	CORE	[Area 5A. International]	3
		CORE	[PSc 120 Govt:US/St/Loc]	3	General E	lective	3
Only computer information scien	ce and			15			17
mathematics courses in which a	student						
has earned a grade of "C" or ab	ove will	Senior Ye			2nd Seme	ster	
satisfy departmental requirements.		1st Seme			CIS 302	Information Systems I (WI)	3
Tanan a a para in ontar roquiromorniono.		CIS 410	Information Systems II	3	CIS 315	Computer Networks	3
		CIS 450	Operating Systems (WI)	3	CIS	Professional Elective (2A)	3
		CIS	Professional Elective (2B)	3	CORE	[PSc 120 Govt: US/St/Loc]	3
0		CORE	[Hist 120 U.S. History]	3	CORE	[Area 2C. Lit/Humanity]	3
Suggested Order of Stud	7	General E	lective	3			15
				15			
					Senior Ye	ar	
Bachelor of Science in CIS -		2nd Seme			1st Semes	ster	
Major Code 5105		CIS 425	Database Mgmt Sys II (WI)	3	CIS 410	Information Systems II	3
Information Systems Major		CORE	[Area 5A. International]	3	CIS 450	Operating Systems (WI)	3
morniation bystems major		CORE	[Area 2A. Fine Art]	3	CIS	Professional Elective (2B)	3
Freshman Year		CORE	[Area 2B. Literature]	3	CORE	[Econ 180 Amer Econ Sys]	3
1st Semester		MM 350	Principles of Management	3	General El	lective	3
Course	Hours			15			15
CIS 110 Programming I	3						
Math 130 College Algebra	3				2nd Semes	ster	
CORE [Eng 101 Eng Comp I (WI)]		Bachelo	r of Science in CIS -		CIS 425	Database Mgmt Sys II (WI)	3
CORE [Psy 100 Gen Psychology]	3	Major Coo			Math Elect	tive (Numbered above 320)	3
CORE [Kine 101 Physical Activity]	and the state of t		er Science Major		CORE	[Area 2B. Literature]	3
CORE [Kine 103 Lifetime Wellness		Compati	er ocience major		CORE	[Hist 120 U.S. History]	3
Psy 120 College Orientation	1	Freshmai	Voor		General El	ective	3
Fsy 120 College Offernation	16	1st Semes					15
	10	Course		Hours			
2nd Semester		CIS 110					
CIS 210 Programming II	3	Math 150	Programming I Calculus I	3 5	Bachelor	of Science in CIS -	
Econ 201 Principles of Econ (Macro)	3	CORE			Major Code	e 5107	
CORE [Eng 102 Eng Comp II (WI)		CORE	[Eng 101 Eng Comp I (WI)] [Psy 100 Gen Psychology]	3		itional Mathematics Majo	or
CORE [Bio 101 Gen Biology]	4	Psy 120	College Orientation	1			
General Elective	3	FSy 120	College Offeritation	15	Freshman	Year	
deficial Elective	16			15	1st Semes		
	10	2nd Seme	eter		Course		Hours
Sophomore Year		CIS 210	Programming II	2	CIS 110	Programming I	3
1st Semester			Calculus II	3	Math 150	Calculus I	5
CIS 310 Database Mgmt Sys I	2	Math 250 CORE		5	CORE	[Psy 100 Gen Psychology]	3
0 ,	3		[Eng 102 Eng Comp II (WI)]	3	CORE	[Eng 101 Eng Comp I (WI)]	3
CIS Professional Elective (1A) Acct 201 Principles of Accounting I	3	CORE	[Bio 101 General Biology] [Kine 103 Lifetime Wellness]	4	Psy 120	College Orientation	1
Econ 202 Principles of Accounting 1	3	CORE	[Kille 103 Liletime wellness]		1 09 120	Conogo Chomation	15
CORE [Phys 100 Phys Sci]	5			17			
COLL [LINS 100 LINS SCI]	17	Sanhama	ro Voor		2nd Semes	ster	
	"	Sophomo			CIS 210	Programming II	3
2nd Samester		1st Semes		2	Math 250	Calculus II	5
2nd Semester	9	CIS Moth 260	Professional Elective (1A)	3	Phys 151	Elem College Physics I	5
CIS 302 Information Systems I (WI)	3	Math 260	Calculus III	5	CORE	[Eng 102 Eng Comp II (WI)]	
CIS 350 Data Structures	3	CORE	[Comm 100 Oral Comm]	3	COME	[Ling 102 Eing Comp ii (WI)]	16
CIS Professional Elective (1B)	3	CORE	[Hist 110 U.S. History]	3			10
Acct 202 Principles of Accounting II	3	CORE	[Kine 101 Physical Activity]	1			
General Elective	3			15			
	15						

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Sophomore Year	2nd	Semester		Bachelor o	of Science in CIS -	
Ist Semester	CIS	0 0	3	Major Code 5		
CIS 310 Database Mgmt Sys I	3 COI		3	Computer	Technology Major (CAI	DD)
Math 260 Calculus III	5 COI		3			
Chem 101 General Chemistry I CORE [Comm 100 Oral Comm]		orting Concentration	3	Freshman Y		
CORE [Comm 100 Oral Comm]	16	orting Concentration	16	1st Semester Course		Hou
					Programming I	3
nd Semester	Son	nomore Year			Frigonometry	3
IS 315 Computer Networks	3 1st	emester			Eng. Graphics I	3
IS 350 Data Structures	3 CIS	0 ,	3		Comm 100 Oral Comm]	3
ath 300 Fund of Math Thought	3 CIS	Professional Elective (1A)	3		Eng 101 Eng Comp I (WI)]	3
ORE [Kine 103 Lifetime Wellness]			3	Psy 120 C	College Orientation	1
ORE [Kine 101 Physical Activity]	1 COI	. ,	5			16
ORE [Area 2A. Fine Art]	3 Sup	orting Concentration	17	Ond Compate		
	13			2nd Semeste CIS 210 F	Programming II	3
unior Year	2nd	Semester			ntroduction to CADD	3
st Semester	CIS		3		Area 2A. Fine Art]	3
IS 345 UNIX System Admin	3 CIS	Professional Elective (1B)	3		Eng 102 Eng Comp II (WI)]	3
IS 370 Adv Object Oriented Prog	3 CIS	Professional Elective (2A)	3		Bio 101 General Biology]	4
ath 371 Intro to Oper Research (WI)		202 Principles of Accounting II	3			16
ORE [Bio 101 General Biology]		eral Elective	3			
ORE [Hist 110 U.S. History]	3		15	Sophomore		
	16	or Year		1st Semeste		3
nd Semester		emester			Database Mgmt Sys I Descriptive Geometry	3
IS 302 Information Systems I (WI)	3 CIS		3		Eng. Graphics II	3
ath 350 Intro to Numerical Analysis	3 CIS	Professional Elective (2B)	3		Kine 101 Physical Activity]	1
ath Elective (Numbered above 320)	3 CO		3		Kine 103 Lifetime Wellness] 2
ORE [Area 5A. International]	3 CO		3	General Elec	ctive	3
ORE [PSc 120 Govt: US/St/Loc]	3 CO	E [Hist 110 U.S. History]	3			15
	15		15			
enior Year	200	Semester		2nd Semeste	er Computer Networks	3
st Semester	CIS		3		Data Structures	3
IS 410 Information Systems II	3 CIS		3		Technical Illustration	3
CIS 450 Operating Systems (WI)	3 CO	E [Econ 180 Amer Econ Sys]	3		Intro to Mach Tool Proc	3
Math 351 Linear Algebra	3 CO		3	CORE [[Econ 180 Amer Econ Sys]	3
ORE [Econ 180 Amer Econ Sys]	The state of the s	porting Concentration	3			15
ORE [Hist 120 U.S. History]	3		15			
seneral Elective	1 16 Ser	or Year		Junior Year		
		Semester		1st Semeste		3
nd Semester		345 UNIX System Admin	3		UNIX Sys Admin Industrial Statics	3
IS 425 Database Mgmt Sys II (WI)	3 CIS		3		Adv Object Oriented Prog	3
Math Elective (Numbered above 320)	3 CIS	450 Operating Systems (WI)	3		Modern Manufacturing Proc	3
hem or Phys Elective	3 CO		3		[Area 2C. Lit/Humanity]	3
ORE [Area 2B. Literature]		eral Elective	3			15
ORE [Area 2C. Lit/Humanity]	3		15			
	15	Semester		2nd Semeste		
		425 Database Mgmt Sys II (WI)	3		Information Systems I (WI)	3
Bachelor of Science in CIS -	CO	0 , ,	3		Computer Aided Drafting [Phys 100 Fund of Phys Sci	1 5
lajor Code 5110	CO	-	3		[Hist 110 U.S. Hist]	1 3
nformation Technology Major		porting Concentration	3	General Elec		3
3,,	Ge	eral Elective	3			17
reshman Year			15			
st Semester				Senior Year		
	Hours			1st Semeste		
IS 110 Programming I	3				Operating Systems (WI)	3
ath 130 College Algebra	3				Information Systems II	3
ORE [Eng 101 Eng Comp I (WI)] ORE [Psy 100 Gen Psychology]	3				Comp Prod/Planning Contro [Hist 120 U.S. History]	ol 3
ORE [Fsy 100 Gen Psychology] ORE [Kine 101 Physical Activity]	1			The state of the s	[Area 2B. Literature]	3
ORE [Kine 103 Lifetime Wellness]						15
sy 120 College Orientation	1					
	16					

Computer Information Science / 197

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2nd Semester CIS 425 Database Mgmt Sys II (WI) CORE [Psy 100 Gen Psychology]	Senior Year 3 1st Semester 3 CIS 410 Information Systems II	Associate of Science in CIS - Major Code 5103 Information Systems Major
CORE [Area 5A. International] CORE [PSc 120 Gov't:US/St/Loc] General Elective	3 CIS 450 Operating Systems (WI) 3 MIMS 310 Comp Prod/Plan Control 4 CORE [Hist 120 U.S. History] 16 General Elective	3
Bachelor of Science in CIS - Major Code 5109 Computer Technology Major (CAN	CORE [Area 5A. International]	CORE [Eng 101 Eng Comp I (WI)] 3 CORE [PSc 120 Gov't:US/St/Loc] 3 CORE [Area 4C.] 3 Psy 120 College Orientation 1
Freshman Year 1st Semester Course	CORE [PSc 120 Gov't:US/St/Loc] General Elective Hours	3 16 15 2nd Semester
CIS 110 Programming I Math 135 Trigonometry CAMT 100 Intro to Mach Tool Pro CADD 110 Eng Graphics I CORE [Eng 101 Eng Comp I (WI)] Psy 120 College Orientation	3 3 3 Associate of Science in CIS - 3 Major Code 5102 Network Systems Administration	CIS 210 Programming II 3 CIS 302 Information Systems I (WI) 3 Acct 201 Principles of Accounting I 3 CORE [Area 2A. Hum/Fine Art] 3 CORE [Phys 100 or Bio 101] 4-5
	16 Freshman Year	
2nd Semester CIS 210 Programming II	3 CIS 110 Programming I	Sophomore Year Hours 1st Semester 3 CIS 230 RPG
CADD 115 Introduction to CADD CAMT 105 Precision Machining CAMT 160 Inspect & Gage CORE [Eng 102 Eng Comp II (WI)]	3 Math 130 College Algebra 3 CORE [Eng 101 Eng Comp I (WI)] 3 CORE [Comm 100 Oral Comm] 3 CORE [Area 4A. U.S. History] 15 Psy 120 College Orientation	3 OR 3 CIS 234 COBOL 3 3 CIS 310 Database Mgmt Sys I 3 3 CIS 370 Adv Object Oriented Prog 3 1 CIS 410 Information Systems II 3 16 Acct 202 Principles of Accounting II 3
Sophomore Year 1st Semester	2nd Semester	CORE [Kine 101 Physical Activity] 1
CIS 310 Database Mgmt Sys I CADD 130 Eng Graphics II CORE [Comm 100 Oral Comm] CORE [Kine 101 Physical Activity] CORE [Kine 103 Lifetime Wellness] CORE [Bio 101 General Biology]	2 General Elective 4 16-	9 , (/
2nd Semester CIS 315 Computer Networks CIS 350 Data Structures CAMT 150 Materials and Processes	Sophmore Year 1st Semester CIS 320 NetWare LAN Admin CIS 345 UNIX System Admin US 370 Adv Object Oriented Prog	CORE [Comm 100 Oral Comm] 3 CORE [Area 4A. U.S. History] 3 CORE [Kine 103 Lifetime Wellness] 2 General Elective 1-2 15-16
CORE [Econ 180 Amer Econ Sys] CORE [Area 2A. Fine Art]	3 CORE [PSc 120 Gov't:US/St/Loc] 3 CORE [Area 4C.] 15	3 3 Associate of Science in CIS - Major Code 5104
		Website Administration
Junior Year 1st Semester CIS 345 UNIX System Admin CIS 370 Adv Object Oriented Prog CAMT 200 Computer Numerical Control CORE [Area 2C. Lit/Humanity] CORE [Area 2B. Literature]		3 Freshman Year 3 1st Semester 3 Course Hours 1 CIS 110 Programming I 3 2 Math 130 College Algebra 3 4-5 CORE [Area 4A. U.S. History] 3 -17 CORE [Figs 101 Figs Comp I (WI)] 3
2nd Semester	16	CORE [Eng 101 Eng Comp I (WI)] 3 CORE [Comm 100 Oral Comm] 3 Psy 120 College Orientation 1 16
CIS 302 Information Systems I (WI) CAMT 250 Computer Assisted Mftg CORE [Phys 100 Phys Sci] CORE [Hist 110 U.S. History] General Elective	3 3 5 3 3 17	2nd Semester CIS 210 Programming II 3 CIS 308 Website Administration I 3 CIS 315 Computer Networks 3 CORE [Phys 100 or Bio 101 4-5 CORE [Area 2A. Hum/Fine Art] 3

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Sophmore Year				
er				
Website Administration II	3			
UNIX System Admin	3			
Adv Object Oriented Prog	3			
[Area 4C.]	3			
ective	3			
	15			
ster				
Database Mgmt Sys I	3			
Windows LAN Admin	3			
[Kine 101 Physical Activity]	1			
[Kine 103 Lifetime Wellness]	2			
[PSc 120 Gov't:US/St/Loc]	3			
ectives	4-5			
16-1				
	Website Administration II UNIX System Admin Adv Object Oriented Prog [Area 4C.] ective Ster Database Mgmt Sys I Windows LAN Admin [Kine 101 Physical Activity] [Kine 103 Lifetime Wellness] [PSc 120 Gov't:US/St/Loc] ectives			

For additional information contact:

Dr. Jack L. Oakes

Office: Matthews Hall 223E

Phone: 417.625.9683

E-mail: oakes-j@mail.mssc.edu

Course Descriptions

CIS 105 (F, S)

3 hrs.

Introduction to Microcomputer Use

Instruction in the fundamental use of microcomputers through packaged software and operating systems. The student is introduced to word processing, spreadsheets, and presentation tools to aid in productivity and to develop a degree of confidence in the use of microcomputers.

CIS 110 (F, S)

3 hrs. cr.

Programming I

Introduces programming in a personal computer based environment. The student will learn the fundamentals of PC hardware, operating systems, and programming. Special emphasis is placed on proper program style, including modularity and structured design. The language of implementation is C++. Corequisite: Math 130 or above.

CIS 210 (F, S)

3 hrs. cr.

Programming II

Continued development of the programming and problem solving skills introduced in CIS 110. Structured programming and the object-oriented paradigm are emphasized. Includes an in-depth coverage of pointers, strings, arrays, structures, and files. Introduces linked lists, stacks, and queues. The language of implementation is C++. Prerequisite: CIS 110 with a grade of "C" or above.

IS 230 (S)

3 hrs. cr.

Report Program Generation (RPG)

Introduces the programming language RPG in an OS/400 environment. Includes language syntax and practice in preparing, compiling, and executing applications of increasing complexity. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 234 (F)

3 hrs. cr.

Business Data Processing Techniques (COBOL)

Methods and techniques for solving business related problems using the business oriented language COBOL. Applications may include payroll processing, inventory control, billing systems. Syntax of the language, report production using both sequential and indexed files, and structured methodologies are major topics. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 298 (Demand)

1-3 hrs. cr.

Selected Topics in Computer Information Science

Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisites may be specified in each course syllabus.

CIS 302 (S)

3 hrs. cr.

Information Systems I (Writing Intensive) Introduces students to the art of solving business problems with information. Develops an understanding of an organization's information requirements, and how information systems facilitate the management of the enterprise. Emphasizes the student's ability to clarify problem statements and define specific objectives, while introducing standard systems analysis methodologies. Prerequisite: (Eng 102 or 111 with a grade of "C" or above) and (CIS 110 or CIS 305 or MM 237 with a grade of "C" or above).

CIS 305 (F, S)

3 hrs. cr.

Microcomputer Applications

Provides an overview of the most common environment and software tools for the serious user of microcomputers. Hardware topics are included to allow the student to compare and select from system configurations according to their application's requirements. An introduction to the basic elements of an operating system and a graphic user interface is followed by intensive practice with the major components of an integrated software suite of applications; word processing, spreadsheets, graphics, and presentation software. A variety of data communications topics are included from the use of a local area network through connections to a world-wide system. Prerequisite: CIS 105 (or higher) or MM237 or CADD 115 or consent of the department head.

CIS 308 (S)

3 hrs. cr.

Website Administration I

Provides an introduction to the administration of a World Wide Web site. Includes Internet concepts, design strategies, graphic and multimedia construction, legal and ethical implications, dynamic HTML, and client side scripting. Prerequisite: CIS 110 with a grade of "C" or above.

CIS 310 (F, S)

3 hrs. ci

Database Management Systems I

Introduces the fundamentals of database management, relational database management systems, and programming for GUI. Database topics covered include entities, attributes, relationships, transactions, queries, and integrity rules. Server side database concepts are illustrated with MS Access. The client side user interface and business logic is implemented in Visual Basic. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 315 (S)

3 hrs. cr.

Computer Networks

Introduces the hardware and software that are integrated to form a computer network. Topics include an in depth look at TCP/IP, data communication hardware, public networks such as the Internet, and LAN and WAN network standards. Co-requisite: CIS 110 or CIS 305 or CADD 115 or MM 237.

CIS 320 (F)

3 hrs. cr.

NetWare LAN Administration

Provides a thorough introduction to the design, installation, and management of Novell local area networks. Network configuration, security, backup, and recovery are major topics. User rights and privileges, file and device sharing, and printing are also covered. Prerequisite: CIS 110 or CIS 315, with a grade of "C" or above.

CIS 321 (F)

3 hrs. cr

Advanced RPG

Emphasizes on-line programming of business applications. Major topics include file creation and maintenance, structured methodologies, advanced features of RPG 4/ILE, IBM OS/400 environment, CL programming, Queries, DB2/400 and Internet application connectivity. Prerequisite: CIS 230 with a grade of "C" or above.

CIS 325 (S)

3 hrs. cr

Windows LAN Administration

Provides a thorough introduction to the design, installation, and management of Microsoft Server local area networks. Network configuration, security, backup, and recovery are major topics. User rights and privileges, file and device sharing, and Web applications are also covered. Prerequisite: CIS 110 or CIS 315, with a grade of "C" or above.

CIS 330 (Demand)

3 hrs. cr.

Assembly Language

Provides an introduction to low-level machine architecture and assembly language programming in the microcomputer. The topics include data representation, instruction set, program logic, and problem solving. In addition to the assembly, linking, and execution of programs; debugging, optimization, and interfacing to high-level languages will be practiced. Prerequisite: CIS 210 with a grade of "C" or above.

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CIS 334 (S)

3 hrs. cr.

Advanced Structured COBOL

On-line programming and special considerations implicit in real time business applications are studied. Creation and maintenance of indexed and sequential files and advanced features of COBOL are major topics. CICS and mainframe environments are introduced. Prerequisite: CIS 234 with a grade of "C" or above.

CIS 340 (F)

3 hrs. cr.

Website Administration II

Continued development of subjects related to the administration of a World Wide Web site. Emphasizes server-side programming issues. Particularly concerned with the creation and maintenance of a commercial site. Includes syntax and practice in ASP, CSS, CGI/Perl, VBScript, JavaScript, and XML. Prerequisite: CIS 308 and CIS 310, with a grade of "C" or above.

CIS 345 (F)

3 hrs. cr.

UNIX System Administration

Introduces the UNIX operating system. Topics covered include basic UNIX commands, system configuration, the file system, process control, shell programming, the network file system, CGI programming, and system security. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 350 (S)

Data Structures

Provides for the continued development of the student's knowledge of data structures and object-oriented programming. Includes an in-depth coverage of pointers, linked lists, stacks, queues. trees, and graphs. Special emphasis is placed on the coverage of algorithms that are designed to efficiently manipulate these structures and techniques for selecting the most appropriate data structures for a given application. The language of implementation is C++. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 355 (S)

3 hrs. cr.

Enterprise Network Administration

Covers enterprise inter-networking. Major topics include server and workstation platforms, network operating systems and clients, client/server computing, interconnecting LANs, routing, firewalls and security, performance analysis, communication hardware, and troubleshooting of hardware components. Prerequisite: CI\$ 315 and CIS 345 with a grade of "C" or above. Corequisite: CIS 320 or CIS 325.

CIS 360 (Demand)

3 hrs. cr.

Computer Graphics

Introduces interactive computer graphics programming including windowing, clipping, two and three dimensional transformations, perspective projections, curved surface modeling, light, and color. The functional capabilities of computer graphics systems and their applications will be covered. Prerequisite: Math 150 and CIS 210, with a grade of "C" or above.

CIS 370 (F)

3 hrs. cr.

Advanced Object Oriented Programming Continued development of the object paradigm introduced in CIS 210. Applications and problems considered include graphical user interfaces, exception handling, Internet programming, and multimedia. The language of implementation is Java. Prerequisite: CIS 210 with a grade of "C" or above.

CIS 401 (F, S)

1-3 hrs. cr.

Internship in Computer Information Science

A limited number of computer information science students may serve an internship of 15 to 20 hours per week for up to 16 weeks. Credit hours will be arranged through the coordinator of the internship program. The intern will work for a local-cooperating firm in a production data processing environment gaining valuable experience in programming and/or systems analysis and design. The on-site work will be supervised by a professional employee of the firm and overseen by an MSSC faculty member. Prerequisite: Upper division standing, department head approval, and an overall GPA of 3.00.

CIS 410 (F)

3 hrs. cr.

Information Systems II

Continued development of the ability to analyze and design computer-based information systems. Includes coverage of analysis and design methodologies, computer-aided software engineering tools, and project management techniques. Topics are illustrated with in-depth case studies. Emphasizes teamwork. Prerequisite: CIS 302 with a grade of "C" or above.

CIS 425 (S)

3 hrs. cr.

Database Management

Systems II (Writing Intensive) Includes a survey of database management theories with experience in the application of database technology. An emphasis will be placed on the relational model. Functions of database management systems, data modeling, and database systems design and implementation in a client/server environment are stressed through case studies. Prerequisite: CIS 310 and CIS 410, with a grade of "C" or above.

CIS 430 (Demand)

3 hrs. cr.

Introduction to Artificial Intelligence

Introduces the process of developing intelligent computer software. Topics covered include knowledge abstraction and representation, heuristic search techniques, game playing, expert systems, and meta-programming. Prerequisite: CIS 350 with a grade of "C" or above.

CIS 450 (F)

3 hrs. cr.

Operating Systems (Writing Intensive) Fundamental concepts of operating system design. Emphasis is placed on identifying the problems an operating system must solve and considering the range of alternative solutions that may be implemented. Topics include process management, memory management, processor management, auxiliary storage management, and security. The Linux operating system is highlighted. Prerequisite: CIS 345 and CIS 350, with a grade of "C" or above.

CIS 498 (Demand)

1-3 hrs. cr.

Seminar in Computer Information Science

Addresses emerging topics in computer science and management information systems. Each offering will be on a subject not normally included in another course. Prerequisite: May be specified in each course syllabus.

CIS 499 (Demand)

1-3 hrs. cr.

Independent Study

The adviser, with approval of the department head, structures an independent study course. Prerequisite: Upper division standing with an overall GPA of 3.0 or above. The adviser, the department head, and the dean of the school must approve registration in the course.

Criminal Justice Administration

Justice Center 109, 417.625.9302

Faculty Wolf-Director, Hamlin, Hulderman, Scott, Spencer, Spurlin, Thomason

"Justice Through Education" is the motto of the Criminal Justice Administration Department at Missouri Southern State College. The Criminal Justice Administration program offers academic training coupled with "real world" practical training for students pursuing careers as criminal justice professionals. The Criminal Justice program provides a varied and flexible curriculum, small classes, faculty who provide individual academic attention, international educational opportunities and a unique learning environment.

The Criminal Justice Administration Department offers two degrees, the bachelor of science in criminal justice administration and the associate of science in law enforcement. Additionally, the department offers three minors: criminal justice administration, juvenile justice and corrections.

The Criminal Justice Administration program offers a varied curriculum to meet the needs of a diverse student body. program prepares students for a wide vari-

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ety of careers as criminal justice professionals as well as graduate programs in law, criminal justice and other related fields. The Criminal Justice program prepares students for careers in traditional fields such as law enforcement, juvenile justice, corrections, probation and parole, and private or industrial security. The program also prepares students for investigative positions with federal agencies, state and local agencies, insurance companies and other private enterprises. In addition, a criminal justice administration degree will prepare students for the many new opportunities in the areas of safety and security.

The Criminal Justice Department offers a flexible curriculum to serve the needs of the student body. In addition to day, evening and weekend courses, students can obtain the bachelor of science degree and the associate of science degree over the Internet. The many hybrid courses combine the benefits of the classroom experience with the flexibility of the Internet courses by meeting on campus weekly, monthly or at other intervals, but conducting much of the course via the Internet. The Department offers criminal justice professionals who have experience in the field college credit for work experience through the portfolio process. The Department also recommends that all students participate in the internship program, where students receive college credit for working side by side with practicing criminal justice professionals.

The small classes, current technology and experienced faculty provide for a unique learning environment. Our faculty members are attentive to student needs, and strive to prepare students for challenging criminal justice careers. They have over 125 years of combined practical experience in criminal justice fields, including experience as law enforcement officers, juvenile officers, assistant prosecutors, legal advisers, criminal investigators, child abuse investigators, corrections administrators and security administrators.

The Criminal Justice Department emphasizes the international mission and provides students with opportunities to study and travel abroad to view firsthand other criminal justice systems around the globe. Our faculty and students have explored the justice systems in England, France, Australia, New Zealand, Morocco, Italy, Israel and Spain. In the first five years since the international mission was implemented, more than 200 criminal justice students have studied abroad.

The state-of-the-art Mills Anderson Justice Center is the busy home of the Criminal Justice Administration Department at Missouri Southern State College. The facility features a modern indoor "live-fire" firearms range and two computerized shooting systems. The auditorium provides a forum for lectures and meetings as well as for advanced training seminars for practicing criminal justice professionals. These seminars are taught by nationally recognized criminal justice professionals, allowing students to learn from the experts and mingle with potential employers.

The Criminal Justice Department at Missouri Southern State College also operates the 600 hour Basic Law Enforcement Training Academy. (See Law Enforcement page 205)

The Criminal Justice Administration degree will allow students to take advantage of the many current career opportunities as well as the multitude of new opportunities in criminal justice, especially in the areas of homeland and global safety and security.

Bachelor of Science in Criminal Justice Administration

	Semester H	Hours		
Core Requirements (p. 33)				
Criminal Justice Requirements				
LE 100	Introduction to			
	Criminal Justice	3		
LE 210	Criminal Procedure	3		
LE 250	Criminal Law	3		
CJAd 275	The Juvenile Justice			
	System	3		
LE 280	Interview and Report			
	Writing (WI)	3		
LE 232	Ethics In Criminal Justice	3		
		18		

Select one from the following:

CJAd 230	Introduction to Security	3	
CJAd 325	Physical Security	3	
CJAd 330	Loss Prevention		
	Techniques	3	

Select one from the following:

CJAd 320	Probation and Parole	3
CJAd 412	Correctional Practices (WI)	3

The student must also select a minimum of 23 credit hours from the following list of major course electives: (Students may not count classes that were selected in the above area.)

Basic Law Enforcement

IF 180

LE 180	Basic Law Enforcement	
	Academy*#	13
LE 181	Basic Law Enforcement	
	Academy II*#	13
LE 190	First Responder	2
LE 200	Criminal Investigation I	3
LE 225	Patrol Procedures	3
LE 260	Legal/Tech. Aspects	
LL 200	of Firearms	3
LE 290	Police Supervision	0
LE 290	and Management	3
1 5 000	Special Topics*	1-8
LE 298		3
CJAd 210	Basic Photography	3
CJAd 230	Introduction to Security	
LE 230	Community Policing	3
CJAd 300	Criminal Invest. II (WI)	3
CJAd 301	International Justice	
	Systems	3
CJAd 310	Traffic Accident Invest	
	and Control	3
CJAd 320	Probation and Parole*	3
CJAd 325	Physical Security	3
CJAd 330	Loss Prevention	
	Techniques	3
CJAd 331	Administration of Securi	ty
	Systems*	3
CJAd 350	Fish/Game Enforcement	
CJAd 360	Professional Developmen	
CJAd 370	International Terrorism	3
CJAd 390	Crime Analysis	3
CJAd 400	Homicide Investigation	3
CJAd 410		3
CJAd 411	Juvenile Corrections* (V	VI)3
CJAd 412	Correctional Practices (V	/I) 3
CJAd 430	Family Violence	3
CJAd 440	Victims and the Crimina	1
	Justice System	3
CJAd 450	Criminal Evidence*	3
CJAd 460		3
CJAd 490		
	Justice Administration*	4-8
CJAd 498		100
307.10 100	Justice Administration*	1-3
CJAd 499		1-3
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*See course descriptions for prerequisites. #Only 13 hours of the Basic Law Enforcement Academy will be applied to the 26 hour elective requirement.

General electives selected with adviser approval among which must be sufficient upper division courses (courses numbered at the 300 or 400 level) to complete the College requirement for a minimum 40 upper-division hours. A minor is highly recommended.

Electives 124

Total

Criminal Justice Administration / 201

Minor in Criminal **Justice Administration**

The minor consists of 21 hours of course work which includes: LE 100 Introduction to Criminal Justice, LE 210 Criminal Procedure. LE 250 Criminal Law and 12 additional hours of LE or CJAd courses, nine of which must be upper division.

Suggested Order of Study

Bachelor of Science Degree Major Code 2105 **Criminal Justice Administration Major**

Freshman Year 1st Semester Course

	Hours	
LE 100	Intro. to Criminal Justice	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Eng 101 Comp I]	3
Computer	Literacy Requirement	3
CORE	[Comm 100 Oral Comm]	3
CORE	[Psy 120 College Orient]	1
CORE	[Kine 101 Physical Activity]	1
		16

2nd Semester

LE 2/5	The Juvenile Justice System	3
CORE	[Eng 102 Comp]	3
LE 232	Ethics in Criminal Justice	3
Math	Intro College Math or higher	3
CORE	[Bio 101 General Biology]	4
		16

Sophomore Year

1st Semeste	er	
LE 250	Criminal Law	3
CORE	[Hist 110 U.S. History]	3
CORE	[Phys 100 Fund of Phys Sci]	5
LE 280	Interview and Report Writing	3
CJAd	Required Course	3
		17

2nd Semester Criminal Procedure IF 210

LL ZIO	Offilina i roccadio	-
CJAd	Required Course	3
Psy 100	[General Psychology]	3
CORE	[Econ 180 Amer Econ Sys]	3
CORE	[Literature]	3
		15
	CJAd Psy 100 CORE	CJAd Required Course Psy 100 [General Psychology] CORE [Econ 180 Amer Econ Sys]

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Junior 16	ar	
1st Seme	ster	
CJAd	Elective	3
CORE	Elective [Internl] Study	3
Elective	[A minor is suggested]	3
CORE	[PSc 120 Gov't: U.S/Sta/Loc	3
CORE	[Elective-Fine Art]	3
		15

2nd Seme	ster	
CJAd	Elective	3
CORE	[Fine Art]	3
Elective	[A minor is suggested]	3
CORE	[Hist 120 U.S. History]	3
Elective	[A minor is suggested]	3
		15

Semon 16	ui	
1st Semes	ster	
CJAd	Elective	3
CJAd	Elective	3
CJAd	Elective	3
Elective	[A minor is suggested]	3
Elective	[A minor is suggested]	3
		15
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Lina Comio	0.01	
CJAd	Elective	3
CJAd	Elective	3
CJAd	Elective	3
Elective	[A minor is suggested]	3
Elective	[A minor is suggested]	3
		15

[Department Recommendations] All electives must be approved by a CJAd adviser prior to enrollment.

For additional information contact: Criminal Justice Department Dr. C. Blake Wolf

Office: Justice Center 109 Phone: 417.625.9302 E-mail: wolf-b@mail.mssc.edu

Senior Year

A minor in Corrections consists of 24 credit hours. Students must a have a faculty adviser for a minor in Corrections.

Minor in Corrections

Semester Hours Criminal Procedure LE 210 3 CJAd 320 Probation and Parole CJAd 411 Juvenile Corrections 3 3 CJAd 412 Correctional Practices 3 Soc 351 Criminology Soc 362 **Deviant Behavior** 3 Soc 391 Penology and Corrections 3 Psychology of Personal Psy 221 3 Adjustment 24

For additional information contact:

Dr. C. Blake Wolf

Office: Justice Center 109 Phone: 417.625.9302 E-mail: wolf-b@mail.mssc.edu

Juvenile Justice

Justice Center 109, 417.625.9302

Wolf - Head, Scott, Spencer, Faculty Gubera

A minor in Juvenile Justice is designed to prepare students who are seeking careers in the Juvenile Justice System. Adjudication and aftercare of the juvenile offender as well as child protection are the primary emphases of a minor in Juvenile Justice.

Students majoring in criminal justice, psychology, sociology or other related fields who have a desire to work in the Juvenile Justice system will find this minor beneficial. Juvenile officer, child abuse investigator, and group home counselor, are just a few of the employment options available to a graduate with a Juvenile Justice minor.

A minor in Juvenile Justice consists of 24 credit hours. Students must a have a faculty adviser for a minor in Juvenile Justice.

Corrections

Justice Center 109, 417.625.9302

Faculty Wolf - Head, Scott, Spencer, Gubera

A minor in Corrections is designed to prepare students who are seeking careers in the field of adult or juvenile corrections. Corrections offers students a variety of employment possibilities in local, state, and federal agencies. These employment opportunities include juvenile or adult probation and parole officer, pretrial or post-trial investigator, detention officer, corrections specialist, or corrections caseworker. Students majoring in criminal justice, psychology, sociology or other related fields who have a desire to work in the field of corrections will find this minor beneficial.

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Minor in Juvenile Justice

	Semester I	Hou
LE 250	Criminal Law	3
CJAd 275	Juvenile Justice System	3
CJAd 320	Probation and Parole	3
CJAd 410	Juvenile Procedures	3
CJAd 411	Juvenile Corrections	3
CJAD 430	Family Violence	3
Soc 312	Juvenile Delinquency	3

Select one from the following:

Psy 300	Child Development	3
Psy 301	Adolescent Development	3

For additional information contact:

Dr. C. Blake Wolf

Office: Justice Center 109 Phone: 417.625.9302

E-mail: wolf-b@mail.mssc.edu

Course Descriptions

CJAd 210 (Demand) Basic Photography

3 hrs. cr.

Lecture and laboratory procedures for use of cameras, lenses, developing negatives and prints. No credit if LE 245 has been completed. Lab fee and additional lab time arranged.

CJAd 230 (S)

3 hrs. cr.

Introduction to Security

Overview of the security industry and its role in loss prevention. Public versus private security roles for retail business, industrial and governmental protection. Basic principles such as target hardening and current problems.

CJAD 275 (F,S)

3 hrs. cr.

The Juvenile Justice System

The Juvenile Justice System is a survey course that is designed to introduce the student to the organizations, processes and actors that comprise the Juvenile Justice System. The course emphasizes the history of the juvenile justice system, the agency interactions and interrelationships, the concepts of prevention and diversion, the development of juvenile gangs, the roles of criminal justice professionals, and the future of the Juvenile Justice System.

CJAd 298 (Demand)

1-8 hrs. cr.

Special Topics in Criminal Justice Administration

Course content varies and is designed to meet current needs and interests in the rapidly changing field of criminal justice administration. Precise topics are announced with prerequisites stipulated in the course syllabus.

CJAd 300 (S)

3 hrs. cr.

Criminal Investigation II (*Writing Intensive*) Major case investigative methods, sources of information, development of leads, methods applicable to organized crime and specific offenses. Prerequisite: Eng. 102 or 111

CJAd 301 (F,S)

3 hrs. cr.

International Justice Systems

A study of justice systems around the world, comparing them to America's justice system. Course considers the three important components of a justice system: police, courts, and corrections. Includes cultural differences of the countries studied as they relate to their justice systems.

CJAd 310 (F)

3 hrs. cr.

Traffic Accident Investigation and Control

Theory and techniques for investigating and reducing occurrence of motor vehicle accidents. Includes collection and evaluation of physical evidence reporting.

CJAd 320 (S)

3 hrs. cr.

Probation and Parole

Study of the entire system of probation and parole internationally, nationally, and locally. Prepares students for the state merit exam in probation and parole. Study of pre-sentence investigation methods, predicting parole behavior, supervisory practices, legal aspects, the use of amnesty and pardons. Prerequisites: LE 100

CJAd 325 (S)

3 hrs. cr.

Physical Security

Physical aspects of the security industry and its role in loss prevention for retail business, industrial and governmental protection. Consideration of barriers and perimeter protection, alarm systems, computer and hazardous materials protection and survey techniques.

CJAd 330 (Demand)

3 hrs c

Loss Prevention Techniques

Security techniques in loss prevention for retail business, industry, governmental protection, hotel and motel, hospital, school, transit systems and utilities.

CJAd 331 (Demand)

3 hrs. cr.

Administration of Security Systems

The security administrator's role in business, industrial and governmental protection. Organizing, training, managing and designing security programs. Prerequisites: CJAd 230, CJAd 325 or CJAd 330 or instructor's permission.

CJAd 350 (Demand)

3 hrs. cr.

Fish and Game Enforcement

Problems and procedures encountered and used by conservation enforcement officers. Laws and enforcement procedures.

CJAd 360 (Demand)

2 hrs. cr.

Professional Development

Development of employability and career skills will be emphasized focusing on tools necessary for employment, communication skills, corporate etiquette, business dress, adjusting to the corporate environment and the professional image.

CJAD 370 (Demand)

3 hrs. c

International Terrorism (Writing Intensive) International Terrorism examines the known facets of contemporary terrorism. Analyzes the laws and special forces/law enforcement agencies which nations within the international community have created to meet the challenge of international terrorism. Examines anticipated patterns of terrorism in the new century. Emphasis on legal and security measures designed to prevent terrorism. Prerequisites: Junior standing or above or permission of instructor.

CJAd 390 (F)

3 hrs. cr.

Crime Analysis

A study of the patterns of crime. The course will emphasize the analysis of crime patterns and criminal behavior. The course will consider the identification of evolving or existent crime patterns and series crime, the forecasting of future crime occurrences and the initiation of target profile analysis. Prerequisites: Upperclass standing.

CJAd 400 (Demand)

3 hrs. cr

Homicide Investigation

Legal and criminalistic concepts and procedures for the medico-legal investigation of death due to natural, accidental, suicidal or criminal cause.

CJAd 410 (F)

3 hrs. cr.

Juvenile Procedures

Examines the evolution of the juvenile justice system as well as current practice and procedure in juvenile and family courts. Focus on law, jurisdiction, constitutional requirements and court rules. Also considers topics such as juvenile gangs, child abuse and neglect, child custody and status offenders.

CJAd 411 (S)

3 hrs. cr.

Juvenile Corrections (Writing Intensive) Overview of the design and legal requirements of juvenile correctional institutions including an analysis of the juvenile interstate compact laws and management principles of juvenile correctional institutions. Prerequisite: Eng 102 or 111.

CJAd 412 (F)

3 hrs. cr.

Correctional Practices (Writing Intensive)
History of corrections as it relates to correctional
practices. In-depth study of the rights of the
incarcerated inmate as well as the powers and
duties of the correctional officer. Prerequisites:
LE 100 and Eng 102 or 111 or permission.

Criminal Justice Administration, Dental Hygiene / 203

CJAd 430 (Demand) Family Violence

3 hrs. cr.

Introduces the dynamics of family violence from the perspective of law enforcement. Examines the relationships between victims, offenders and other family members. Focuses on these relationships and the challenge they pose to the criminal justice system.

CJAd 440 (Demand)

3 hrs. cr.

Victims and the Criminal Justice System Introduces the study of victimization. Examines the relationship between victims and the criminal justice system.

CJAd 450 (S)

3 hrs. cr.

Criminal Evidence

Rules of evidence, admissibility, presumptions, inferences, burden of proof and exceptions to the hearsay rule. Prerequisite: LE 210, LE 250 or permission.

CJAd 460 (Demand)

. 3 hrs. cr.

Cultural Diversity

Students seeking cross-cultural knowledge and sensitivity in criminal justice; learn practical methods for dealing with diverse cultures, ethnic groups, and those who are physically, mentally, and emotionally challenged.

CJAd 490 (Arr)

4-8 hrs. cr.

Internship in Criminal Justice

Extensive practical experience with an area criminal justice agency, subject to individual committee approval. Not open to those who have taken LE 180. Prerequisite: Junior or senior standing, CJAd major, department approval, overall GPA 2.5 and a CJAd GPA 3.2.

CJAd 498 (Demand)

1-3 hrs. cr.

Seminar in Criminal Justice

GPA in major area or permission.

A survey of current advances in the field. Precise topics to be announced, for upper division majors in CJAd or those who have completed the A.S. degree in law enforcement. Prerequisite: permission of instructor.

CJAd 499 (Arr)

1-3 hrs. cr.

Independent Study in Criminal Justice Individually directed study for advanced majors in area of criminal justice selected with adviser approval. Proposal must be approved by program director and school dean. Prerequisite: 3.5

Dental Hygiene

Ummel Technology Building 101, 417.625.9709

Faculty Scorse DeTar - Head, Carlton, Moore, Rogers, Strait, White

The dental hygienist is a dynamic health care professional who is the only member of the dental health team, other than the dentist, licensed to provide direct care to the patient. The diverse duties of the dental hygienist are rewarding and include oral prophylaxis (cleaning); exposing, processing and mounting radiographs; collecting and evaluating medical history information; performing head and neck examinations; periodontal assessment and therapy: applying agents for the prevention of decay; applying desensitizing and antimicrobial agents and administering local anesthesia and nitrous oxide analgesia. The dental hygienist also acts as a dental health educator and is responsible for teaching patients prevention of dental disease and providing nutritional counseling.

Dental hygiene employment opportunities are numerous and vary greatly. They include general practice and specialty dental offices; federal, state, county and city health clinics; public schools; hospitals; long-term care facilities; dental schools; industrial clinics; the armed services; and research institutions.

Missouri Southern offers an associate of science degree in dental hygiene. Upon satisfactory completion, graduates are eligible to take the National Board Examination and practical examinations required for licensure in Missouri and other states. This program is accredited by the American Dental Association.

Admission to Missouri Southern does not automatically grant admission to the Dental Hygiene Program. In addition to meeting admission requirements for the College, candidates must apply for admission to the department of Dental Hygiene. Applications are reviewed by the Selection Committee for Dental Hygiene. Applicants must submit the necessary information by January 31. Applicants must have an overall GPA of 2.75 to apply, or a GPA of 2.50 with an ACT composite score of 25 or better.

Evidence of satisfactory completion of the following prerequisites with a "C" or better must be presented:

Bio 121 Human Anatomy & Physiology I

Eng 101 English Composition

Math 030 Intermediate Algebra (or higher)

Chem 100 Introductory Chemistry
Bio 231 General & Medical Microbiology

Bio 221 Human Anatomy & Physiology II

Comm 100 Oral Communications Kine 103 Lifetime Wellness

Enrollment is limited and applicants are admitted contingent upon a criminal record check, the completion of physical and dental examinations and the rendering of an acceptable health status. Students are admitted to the dental hygiene program only in the fall of each year.

Interested individuals are encouraged to contact the Director of Dental Hygiene for more specific information regarding admissions criteria.

In addition to established fees for all college students, the following are minimum costs incurred by dental hygiene students, \$500 to \$1000 per semester for laboratory fees. Various expenses for transportation to off campus clinical sites and professional meetings will occur. In addition, approximately \$1000 for licensure exams, which will vary depending on state(s) in which license is desired.

The associate of science in dental hygiene requires a minimum of 89 credit hours, including the prerequisite courses. All courses in the Suggested Order of Study must be completed in the prescribed sequence. Course grades of "C" or above in dental hygiene and supporting science courses are necessary for retention in the dental hygiene program. (The successful dental hygiene applicants tend to be the ones who have completed the majority or all of the science and Core Curriculum courses with the exception of the dental hygiene courses.)

Associate of Science Degree in Dental Hygiene

Semester Hours

Core Requirements (p. 34) 25 Dental Hygiene Requirements 64

DH 101 Fundamentals of Dental
Hygiene I

DH 102 Fundamentals of Dental

Fundamentals of Dental Hygiene II* 4

204 / Dental Hygiene

DH 140	Dental Morphology	1
DH 150	Oral Histology and	
	Embryology	3
DH 160	Dental Radiology	2
DH 190	Clinical Dental	
	Hygiene I*	2
DH 200	Dental Health Education	3
DH 210	Perio-Pathology	4
DH 220	Dental Materials	3
DH 290	Clinical Dental Hygiene	11*5
DH 310	Nutrition	2
DH 320	Pharmacology	2
DH 330	Ethics and Community	
	Dentistry*	3
DH 390	Clinical Dental	
	Hygiene III*	5
Bio 231	Medical Microbiology*	5
Bio 240	Radiation Biology*	3
Bio 221	Human Physiology and	
	Anatomy*	5
Chem 100	Introductory Chemistry*	5
Soc 110	Intro to Sociology	3
Psy 100	General Psychology	3
		8

^{*}See course descriptions for prerequisites

Suggested Order of Study

Associate of Science - over three years Major Code 5203 **Dental Hygiene Major**

Prerequisites

Hours

Fall Semester

CORE

Bio 121	Hum Anatomy/Physiology I	4
CORE	[Eng 101 Comp I]	3
Math 030	Inter Algebra (or higher)	3
Chem 100	Intro Chemistry (w/lab)	5
		15
Spring Sem	nester Prerequisites	
Bio 231	Gen & Med Microbio (w/lab) 5
Bio 221	Hum Anatomy/Physiology II	5
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness	s] 2
		15

Fall Semester 1st Year Dental Hygiene				
DH 101	Fund of Dental Hygiene I	4		
DH 140	Dental Morphology	1		
DH 150	Oral Histology & Embr	3		
Psy 100	General Psychology	3		
CORE	[Kine 101 Physical Activity]	1		

[PSc 120 or MO Const Test]* 3

12-15

Spring Sem	ester 1st Year Dental Hyg	giene
DH 102	Fund of Dental Hygiene II	4
DH 160	Dental Radiology	2
DH 220	Dental Materials	3
DH 310	Nutrition	2
Bio 240	Radiation Biology	3
		14

Summer	Session	1st Year	Dental	Hygiene
DH 190	Clinic	al Dental I	Hygiene	1 2
DH 210	Perio-	-Pathology	1	4
				6

Fall Semest	er 2nd Year Dental Hy	gier
DH 200	Dental Health Education	3
DH 290	Clinical Dental Hygiene II	5
DH 320	Pharmacology	2
CORE	[Hist 110 or 120]	3
		13

opining och	nester 2nd Year Dental Hy	gier
DH 330	Ethics & Comm Dentistry	3
DH 390	Clinical Dental Hygiene III	5
CORE	[Humanities or Fine Arts]	3
Soc 110	Intro to Sociology	3
		14
	DH 330 DH 390 CORE	DH 330 Ethics & Comm Dentistry DH 390 Clinical Dental Hygiene III CORE [Humanities or Fine Arts]

^{*12} hours if Missouri Constitution Test is passed. [Department Recommendation]

For additional information contact: Sandra A. Scorse DeTar, D.D.S. Office: Technology Building 111-E Phone: 417.625.9709 / 417.625.9600 / 417.625.9711

E-mail: scorse-s@mail.mssc.edu

Course Descriptions

4 hrs. cr. Fundamentals of Dental Hygiene I

Introduction to fundamental theories, principles and procedures necessary to provide dental hygiene services. Theories and principles are applied in clinical laboratory setting. Two hrs. lecture, 6 hrs. lab per week.

DH 102 (S) 4 hrs. cr. **Fundamentals of Dental Hygiene II**

Continuation of DH 101 with further enrichment of skills necessary to perform preventive oral health services. Theories and principles are applied in clinical laboratory setting. Two hrs. lecture, 6 hrs. lab per week. Prerequisites: DH 101 with minimum grade of "C" or instructor's permission.

DH 140 (F) 1 hr. cr.

Dental Morphology

Detailed study of morphology of deciduous and permanent teeth in relation to fossal cusps, grooves, ridges, roots and the relationship of form and function. Occlusion and malocclusion are studied according to their relationship to dental health. A self-instructional program supplemented by one hr. lecture per week.

DH 150 (F) 3 hrs. cr. **Oral Histology and Embryology**

Study of the gross and microscopic development of the teeth, supportive structures of the teeth and embryology and anatomy of head and neck region. Two hrs. lecture, 3 hrs. lab per week.

DH 160 (S) 2 hrs. cr.

Dental Radiology

Theory and technique of exposing, developing, mounting and care of dental radiographs. Interpretation of radiograph findings is discussed, principles of radiation safety are emphasized. One hr. lecture, 4 hrs. lab per week.

2 hrs. cr.

DH 190 (Summer) Clinical Dental Hygiene I

Introduction to clinical practice of dental hygiene. Experience in providing patient services through performing oral prophylaxis, periodontal assessment, exposing and processing radiographs, presenting patient education, preventive applications, and charting the oral cavity. 16 hours lab per week, 1 hour of lab will be used per week for content and organizational review of course. Prerequisite: DH 102 with minimum grade of "C" and CPR Certification course C.

DH 200 (F) 3 hrs. cr.

Dental Health Education

Fundamentals of teaching and learning theories. Development of teaching units and lesson plans for various public groups and/or organizations, practical experience in public schools and community groups and experience in providing dental health education to mentally and physically handicapped and geriatric patients. Three hrs. lecture per week.

DH 210 (Summer) 4 hrs. cr. Perio-Pathology

Lecture periods are devoted to the study of oral pathological conditions, including etiology, degenerative process, inflammation and immunity. Etiology, assessment, treatment and prevention of periodontal disease is stressed. Four hrs. lecture per week.

DH 220 (S) 3 hrs. cr. **Dental Materials**

Information about various dental materials. Students learn to make alginate impressions, plaster models and manipulate other materials. Required course for dental hygiene curriculum. Prerequisite: DH 101 Fundamentals of Dental Hygiene I with a "C" or above or instructor's permission. Two hrs. lecture, 2 hrs. lab per week.

Dental Hygiene, Law Enforcement / 205

DH 290 (F) 5 hrs. cr. Clinical Dental Hygiene II/Local Anthesia Continuation of DH 190 with added responsibilities as skills develop. Lecture information on advanced dental hygiene techniques and techniques for local anesthesia and pain control. Practical experience in infiltration anesthesia during the laboratory session. Multicultural experience is gained through rotations in extended campus facilities. One hr. lecture, 16 hrs. clinical lab per week. Prerequisites: DH 190 with minimum grade of "C" or instructor's permission.

DH 310 (S) 2 hrs. cr. **Nutrition**

Nutrition and diet as related to dental health, biochemistry of digestion and the utilization of nutrients. Special emphasis on dietary analysis as part of total health care and the role of the dental hygienist in providing nutritional counseling. Two hrs. lecture per week.

DH 320 (F) 2 hrs. cr. Pharmacology

Principles of drug actions and characteristics of major drug groups including sources of drugs, methods of their administration, classification, dosage, therapeutic action and drug interactions. Emphasis on drugs affecting oral health and drugs used in dentistry. Two hrs. lecture per week.

DH 330 (S) 3 hrs. cr. Ethics and Community Dentistry

Professional ethics and commitment, professional organizations, state practice acts and practical consideration of methods and problems associated with operating and maintaining a dental practice. Definition and identification of the scope of public and dental public health. Consideration of philosophy; health legislation; federal, state and local health programs; needs and demands for dental care; and mechanisms for financing dental care. Three hrs. lecture per week. Prerequisites: DH 200 with minimum grade of "C."

DH 390 (S) 5 hrs. cr. Clinical Dental Hygiene III

Continuation of DH 290. Clinical experience in advanced clinical procedures and dental assisting procedures, including experience in extended campus facilities. Principles of four-handed dentistry in the lecture portion and discussion of the eight recognized dental specialties including their relationship to preventive dentistry. One hr. lecture, 16 hrs. lab week. Prerequisite: DH 290 with

minimum grade of "C" or instructor's permission.

Law Enforcement

Justice Center 109, 417.625.9302

Faculty Wolf - Head, Hamlin, Hulderman, Scott, Spencer, Spurlin, Thomason

The associate of science degree in law enforcement helps prepare students for entrance into police work, a field which has become highly specialized and complex at the local, state, and national levels. The College also offers the four-year bachelor of science degree in criminal justice administration. See page 199.

Associate of Science in Law Enforcement Option A Major Code 5505

Core Requirements (p. 34) Law Enforcement Requirements		
	Courses 21 hours	39
A Committee of the Comm	Literacy Requirement	3
LE 100	Introduction to Criminal	
	Justice Administration	3
LE 210	Criminal Procedure	3
LE 230	Community Policing	3
LE 232	Ethics in Criminal Justice	3
LE 250	Criminal Law	3
LE 280	Interview & Report	
	Writing (WI)	3
		21

		2	
Electives:	Select 9 hours from the list	below	:
LE 190	First Responder	2	
LE 200	Criminal investigation I	3	
LE 225	Patrol Procedures	3	
LE 269	Legal/Tech. Aspects		
	Of Firearms	3	
LE 290	Police Supervision &		
	Management	3	
LE 298	Special Topics	1-3	
CJAd 210	Basic Photography	3	
		9	9
Electives	(adviser approved)	9	9

Option B

LE 298

(For Basic Law Enforcement Academy) Major Code 5506

Required Courses				
Computer Literacy Requirement				
LE 100	Introduction to Criminal			
	Justice	3		
LE 250	Criminal Law	3		
LE 180	Basic Law Enforcement			
	Academy	13		
LE 181	Basic Law Enforcement			
	Academy II	13		
Select 4	hours from the list below	,		
Select 4 LE 200	hours from the list below Criminal Investigation I	3		
LE 200	Criminal Investigation I	3		
LE 200 LE 210	Criminal Investigation I Criminal Procedure	3		

Management

Special Topics

Suggested Order of Study

3

39

1-3

Associate of Science Degree Major Code 5505 (Option A) Law Enforcement Major

Freshman Year 1st Semester Course Hours CORE [Eng 101 Comp I] 3 CORE [Intro to College Math] 3 Comp 105 Intro to Micro Comp Use 3 LE 100 Intro to Criminal Justice 3 CORE [Psy 120 College Orient] CORE [Kine 101 Physical Activity] 1 16 and Competer

Ziiu Seillesi	.ei	
Elective		2
CORE	[Phys 100 Fund of Phys Sci]	5
CORE		3
LE 280	Interview & Rprt Wrtng (WI)	3
LE 210	Criminal Procedure	3
		16

0				
So	pno	mo	re Y	ear

39

Sobilomore	i cai	
1st Semeste	er	
CORE	[Comm 100 Oral Comm]	3
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Hist 110 or 120]	3
LE	Elective	3
LE	Elective	3
Elective	Fine Arts Elective	-3
		47

206 / Law Enforcement

2nd Samester

2nd Semest LE 250 LE Electives	er Criminal Law Elective (Adviser Approved)	3 10 16
[Departmen	t Recommendations]	
Criminal Ju Dr. C. Blak Office: Just Phone: 41	nal information contact: ustice Department we wolf stice Center 109 7.625.9302 If-b@mail.mssc.edu	
Major Cod	e of Science Degree e 5506 (Option B) rcement Major cement Academy)	
Freshman		
Course CORE CORE Comp 105 LE 100 CORE CORE		3 3 3 3 1] 1 1 14
2nd Semes CORE CORE LE LE 250 CORE	ter [Bio 101 General Biology] Elective Criminal Law Humanities and Fine Arts	4 3 3 3 3 16
Sophomore	e Year	•
1st Semeste CORE CORE CORE LE		3 2 3 4 12
2nd Semes LE 180 LE 181	ter Basic Law Enforc Acad Basic Law Enforc Acad II	13 13 26
[Departmen	t Recommendations]	

For additional information contact: Criminal Justice Department

Dr. C. Blake Wolf

Office: Justice Center 109 Phone: 417.625.9302 Fax: 417.625.9796

E-mail: wolf-b@mail.mssc.edu

Course Descriptions

E 100 (F, S) 3 hrs. cr.
Introduction to Criminal
Justice Administration

Municipal, county, state and federal police organizations. History and administration of justice. Responsibilities and opportunities in the field of criminal justice.

LE 180 (F, S) 13 hrs. cr. Basic Law Enforcement Academy

The pre-certification training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Peace Officer Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri Criminal Law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under Section 590.100 et. seq. RSMo. Prerequisites: Permission of Training Director. (Additional lab fee for course.)

LE 181 (F, S) 13 hrs. cr. Basic Law Enforcement Academy II

The pre-certification training course for new law enforcement officers in Missouri, approved by P.O.S.T. (Peace Officer Standards and Training) Office of the State Department of Public Safety. The broad range of topics includes Missouri Criminal Law, traffic law, criminal investigation, reports, defensive tactics, firearms, legal subjects and human relations. The topics are designed and required by P.O.S.T. under Section 590.100 et. seq. RSMo. Prerequisites: Permission of Training Director and LE 180 (Additional lab fee for course.)

LE 190 (Demand) 2 hrs. cr.

First Responder

Provides basic emergency care knowledge and skills to the student. Designed to prepare students to recognize traumatic injuries, and deliver quality emergency medical care to victims.

LE 200 (F) 3 hrs. cr. Criminal Investigation I

An introduction to the basic protocol of crime scene investigation to include first response, diagramming, photography, fingerprinting, and the preservation and collection of physical evidence.

LE 210 (F, S) 3 hrs. cr. Criminal Procedure

Overview of criminal justice process and procedure from first contact with law enforcement through the criminal trial. Topics include "stop and frisk", arrest, search and seizure, interrogation, identification, and the criminal trial.

LE 225 (S) 3 hrs. cr.

Patrol Procedures

Covers numerous areas confronting today's law enforcement officer during tours of duty and the proper techniques and procedures used in handling each area.

LE 230 (F,S) 3 hrs. cr. Community Policing

An introduction to and analysis of theories, techniques, and programs involving police image and public response. Special attention will be paid to problems of crime prevention, community oriented problem solving policing, police-public interaction and public safety.

LE 232 (F,S) 3 hrs. cr.

Ethics in Criminal Justice

A comprehensive investigation of ethical problems confronting criminal justice professionals. Focus is placed on the philosophical and practical dilemmas surrounding the modern criminal justice system, in the United States and foreign countries, to include the police, courts, and correctional subsystems. Examines various value systems and historical theories as well as promotes discussions of moral and ethical behavior from personal, social, and criminal justice perspectives.

LE 250 (F) 3 hrs. cr.

Criminal Law

Criminal law purposes and functions; rights and duties of officers and citizens in relation to local, state and federal laws. The development, application and enforcement of laws.

LE 260 (Demand) 3 hrs. cr.

Legal and Technical
Aspects of Firearms

History and development of firearms. The nomenclature of the most commonly used police firearms and the duties and requirements of a rangemaster. The laws concerning firearms acquisitions, ownership and use. Three hrs. lecture per week. Lab fee and additional lab time arranged.

LE 280 (F, S) 3 hrs. cr.

Interview and Report

Writing (Writing Intensive)
Introduces the professional writing style utilized in reports and other written communication in the criminal justice fields. Emphasizes on-the-job writing for criminal justice professionals. Also explores various interviewing techniques. Prerequisites: Eng 101.

LE 290 (Demand) 3 hrs. cr.

Police Supervision and Management

Principles of personnel management as applied to law enforcement agencies: evaluation, promotion, discipline, training, employee welfare and problem-solving leadership.

Law Enforcement, Medical Technology / 207

LE 298 (Demand) 1-8 hrs. cr. Special Topics in Law Enforcement

Course content varies and is designed to meet current needs and interests in the rapidly changing field of law enforcement. Precise topics to be announced and prerequisites stipulated in course syllabus.

Missouri Peace Officer Certification

The 600-hour Missouri Peace Officer Certification is offered through Criminal Justice Administration (CJAd) and the Missouri POST (Peace Officer Standards & Training) Certified Law Enforcement Academy. Students who successfully complete the Academy and meet certification requirements become eligible for employment as a Missouri peace officer. Refer to the Law Enforcement section for course description.

Application/Admission/ Certification

The State of Missouri requires applicants at the time of certification to be 21 years of age, a United States citizen, have a high school diploma or its equivalent, and pass the Missouri State Police Officer Certification examination. An applicant with a criminal history must receive Missouri POST clearance before being accepted to the program. An interview with the Training Director is required for admittance to the program.

For additional information contact: The Law Enforcement Academy Mr. Wayne Thomason Missouri Southern State College 3950 E. Newman Road Joplin, Missouri 64801-1595 Phone: 417.625.9684

Fax: 417.625.9796

E-mail: thomason-w@mail.mssc.edu

Medical Technology

Reynolds Hall 210, 417.625.9376

Faculty Garoutte, Mosher

The bachelor of science degree in medical technology is granted to students who complete the required program of study satisfactorily. These requirements include the basic requirements for all bachelor of science degree programs, required science and other supportive courses plus 32 hours of professional course credits. The completion of this degree is required before an individual is eligible to take the certifying examination.

Missouri Southern has affiliation agreements with the Schools of Medical Technology at St. John's Regional Medical Center, Joplin, Mo., and Lester E. Cox Medical Center, Springfield, Mo. If a student wishes to attend an accredited school of medical technology with which the College has no formal agreement, the Vice President for Academic Affairs can negotiate an agreement for the individual student. Students should be aware that enrollment in professional schools is limited. Each of the professional schools has its own admission criteria and selects those students to be admitted to a class from the applicants for that class. In general, this selection is based on the academic record or demonstrated aptitude for the medical field. Students are responsible for filing their own application for admission with the professional schools. Application should be made to the professional school during the early fall of the junior year or approximately 10 months prior to the expected entrance date. It is strongly suggested that the student contact the Director of the Medical Technology Program at the desired hospital early in their sophomore year to determine the exact application procedure.

A student may enroll in the professional courses either at the hospital-based school or through Missouri Southern, depending on the policies of the hospital-based school. Students enrolled at the hospital-based school are not considered members of the Missouri Southern student body, since the hospital-based school in such cases is considered as any other accredited institution of higher education. A student enrolling

through Missouri Southern is considered a member of the College student body and is therefore eligible for benefits offered all students. The weekly time requirements for the professional medical technology courses (400 level) listed are based on the minimum requirements for a course meeting for a normal academic term for a minimum of 16 weeks. Actual scheduling of classes may vary according to custom of the individual professional school to meet these minimum total hour requirements.

Students whose career goals change or are unsuccessful in gaining admission to a professional training program are ideally suited to complete another science major with virtually no loss of academic credits.

Bachelor of Science With a Major in Medical Technology

Samastar Hours

	Semester F	lours
Core Requ	uirements (p. 33) 51**	39
Biology R	equirements	26
3io 121	Human Anatomy and	
	Physiology I	4
Bio 221	Human Physiology and	
	Anatomy II*	5
Bio 231	General & Medical	
	Microbiology*	5
3io 305	Genetics*	4
Bio 456	Immunology*	4
EITHER		
3io 362	Virology*	4
OR		
Bio 442	Pathogenic Bacteriology*	5
OR		
3io 308	Pathophysiology*	4
	Requirements	25
	General Chemistry I*	5
	General Chemistry II*	5
	Analytical Chemistry I*	5
	Introduction to Modern	
	Organic Chemistry*	5
Chem 351	Biochemistry*	5
Other Req	uirements	12
Phys 151	Elementary College	
	Physics I*	5
Math 140	Algebra & Trigonometry	5
EITHER		
Bio 303	Computer Applications in	
	Biology	2
OR		
Chem 320	Computer Applications in	
	Chemistry	2
100 Level	Medical Technology	
	Courses (at Hospital)	32
		134

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*See course descriptions for prerequisites.

**Required biology, physics and mathematics courses simultaneously satisfy Core Curriculum and major requirements.

Suggested Order of Study

Bachelor of Science Degree Major Code 1223 Medical Technology Major

It is strongly suggested that the student take courses in the summer to reduce the semester hour loads.

Freshman Year

1st Semes	ter	
Course	H	ours
Chem 101	Gen Chem I (Algebra & Trig)	5
Math 140	Algebra and Trig	5
Bio 121	Human Anatomy and	
	Physiology I	4
CORE	[Eng 101 Comp I]	3
CORE	[Psy 120 College Orientation]	1
		18

2nd Semes	ster	
Chem 102	Gen Chem II (Chem 101)	5
Bio 231	General and Medical	
	Microbiology	5
Chem 320	Computer Applications in	
	Chemistry	
OR	Anna Luca Anna Car	
Bio 303	Computer Applications in	
	Biology	2
CORE	[History 110 U.S. History]	3
CORE	[Eng 102 Comp II]	3
		18

Sophomore Year

1st Semest	lei	
Chem 201	Analy Chem I (Chem 102)	5
Bio 305	Genetics	4
CORE	[Psy 100 or Soc 110]	3
CORE	[Humanities & Fine Arts]	3
CORE	[Econ 180 Amer Econ Sys]	3
		18

2nd Samestar

Lina Comice	7.01	
Chem 300	Intro Org Chem (Chem 102)	5
Bio 456	Immunology	4
CORE	[Comm 100 Oral Comm]	3
CORE	[Humanities & Fine Arts]	3
CORE	[Hist 120 or 320 U.S. History]	3
		10

Junior Year

1st Semest	ter	
Chem 351	Biochemistry (Chem 300)	5
Phys 151	Elem Col Phys I (Math 140)	5
Bio 308	Pathophysiology	
	(Bio 301 or 306) (4)	
OR		
Bio 362	Virology (Bio 231 and 305) (4)
OR		
Bio 442	Pathogenic Bacteriology	
	(Bio 231) (5)	4-5
CORE	[Kine 103 Lifetime Wellness]	2
	16	-17

2nd Semester

	00.01	
Bio 221	Human Anatomy and	
	Physiology II	5
CORE	[Humanities & Fine Arts]	3
CORE	[Kine 101 Physical Activity]	1
CORE	[PSc 120 Gov't: U.S./St/Loc]	3
CORE	[International Cultural Studies]	3
		15

Senior Y	ear	
1st Seme	ster	
(At an ap)	proved School of Medical Te	chnology
MT 401	Clinical Chemistry	10
MT 403	Clinical Hematology	6
		16

2nd Semester

(At an app	roved School of Medical Techno	logy)
MT 402	Clinical Microscopy	1
MT 404	Clinical Serology/Immunology	3
MT 405	Clinical Microbiology	7
MT 406	Clinical Immunohematology	3
MT 407	Special Topics in Med Tech	2
		16

(Prerequisites)

[Department Recommendations]

For additional information contact:

Dr. Melvyn Mosher Office: Reynolds Hall 242 Phone: 417.625.9733

E-mail: mosher-m@mail.mssc.edu

OR

Dr. Michael Garoutte Office: Reynolds Hall 241 Phone: 417.625.9579

E-mail: garoutte-m@mail.mssc.edu

MT 402 (S)

1 hr. cr. **Clinical Microscopy**

Principles and techniques of the physical, chemical and microscopic examination of urine and other excrete as related to disease processes. One hr. lecture, clinic by arrangement.

6 hrs. cr.

7 hrs. cr.

MT 403 (F) **Clinical Hematology**

The cellular elements of blood and bone marrow; theory of cell production, release and survival; morphological characteristics of normal and abnormal cells; quantitative and qualitative abnormalities. Principles and techniques involved in the study of hemostasis, blood coagulation and hemorrhagic disorders. Three hrs. lecture, 12 hrs. clinic/lab per week.

MT 404 (S) 3 hrs. cr. Clinical Serology-Immunology

The science of immunity including antibody development, principles of antigen-antibody interactions and techniques of serological testing for various disease states. Three hrs. lecture, 12 hrs. clinic/lab per week.

MT 405 (S) Clinical Microbiology

Sterile technique, methods of handling and inoculating specimens containing pathogenic micro-organisms, isolation and identification of pathogenic micro-organisms, laboratory tests in chemotherapy, and diagnostic bacteriology, mycology and parasitology. Four hrs. lecture, 12 hrs. clinic/lab per week.

MT 406 (S)

3 hrs. cr. Clinical Immunohematology-Blood Bank

Blood group systems and the immune response. Methods of crossmatching, antibody screening and phenotyping. Administrative safeguards and legal aspects of blood banking. Proper clinical utilization of blood components. One hr. lecture, 8 hrs. clinic/lab per week.

2 hrs. cr. MT 407 (S) Special Topics in Medical Technology

Lecture and/or clinical practice in the areas of inservice education, management and supervision, research and development, and principles and techniques of the instructional process. Lecture and labs to be arranged.

Course Descriptions

MT 401 (F) **Clinical Chemistry**

10 hrs. cr.

Analytical and theoretical aspects of the clinical biochemistry of body fluid constituents utilizing both manual and instrumental techniques, including automation and special procedures. Five hrs. lecture, 20 hrs. clinic/lab per week.

Nursing

Kuhn Hall 210, 417.625.9322

Faculty Box - Head, Ayton, Baker, Barr, Cole, Eller

The bachelor of science degree nursing program provides intensive preparation for the first-time entering student and licensed practical nurse seeking licensure as a registered nurse and the registered nurse pursuing baccalaureate education in the nursing discipline.

The program is based on systems emphasizing person, nursing, health and environment. Core Curriculum and required support courses augment the nursing courses in preparing a professional nurse for the 21st century who is able to function at the client's side in a diverse health care delivery system.

Upon successful completion of the program, the graduate is eligible to apply to take the examination for licensure as a Registered Nurse (RN) barring restrictions stated in the Nursing Practice Act 335.066,1,2 (1)-(14) of the state of Missouri. "The applicant shall be at least nineteen years of age . . ." according to the Nursing Practice Act 335.046 of the Missouri Statutes. Contact nursing department or Missouri State Board of Nursing for further information.

The program is accredited by the National League for Nursing Accrediting Commission and the Missouri State Board of Nursing.

Graduate Outcomes

Upon completion of the program the graduate will:

- Apply the Neuman systems model in the promotion of the person's optimal systems stability.
- Promote health by empowering the person through health education.
- Provide contemporary health care through application of the nursing process.
- Practice within the professional standards of care.
- Use current technologies in providing culturally sensitive care through primary, secondary, and tertiary prevention.

- Manage health care delivery through coordination, collaboration, and delegation.
- Integrate communication strategies in interacting with the person and information systems.
- Apply nursing and health related research to nursing practice.

Admission Criteria

- Continuous enrollment, readmission or admission to College as a transfer student.
- Cumulative grade point average of 2.5
 minimum based upon completion of
 freshman and sophomore courses
 listed in the suggested order of study.
- Completion of the following five natural and physical science courses with a grade of "C" or higher:

Bio 121 Anatomy and Physiology I
Bio 221 Anatomy and Physiology II
Bio 231 General and Medical
Microbiology
Chem 100 Introductory Chemistry

Bio 308 Pathophysiology

- 4. Criminal Record Check
- 5. Drug/Alcohol Screen
- Credit hours from the Suggested Order of Study must be completed prior to entering the nursing major courses.

Admission to the program is competitive.

Applications, readmission and transfer criteria are available in the Department of Nursing in Kuhn Hall. The applicant is responsible for requesting and verifying that the transcript evaluation and MSSC transcript are part of their applicant profile prior to application deadline.

Deadline for application and transcript/s is **January 31**.

Students who meet all admission criteria and have completed the Suggested Order of Study for the bachelor of science degree nursing at Missouri Southern State College will be given preference in admission.

Missouri House Bill 1362 prohibits a hospital from knowingly allowing those guilty of Class A and B felonies as defined in three chapters of state law to give care to clients in their agency. Students entering MSSC are assigned to do clinical practice in coop-

erating hospitals and the department is in agreement that students must meet these requirements. Results of a personal criminal history record check must be on file prior to the Fall semester of the junior year of nursing courses. Students who have been found guilty of Class A and B felonies will be ineligible to enter the program.

Freshman Option: Direct Provisional Admission (DPA)

Students entering as first time freshmen will have the opportunity to receive direct provisional admission to the nursing program based upon the following criteria.

- Meet all requirements for regular admission to Missouri Southern State College as a first-time freshman.
- 2. ACT composite score of 25 or higher.
- Maintain a 3.0 grade point average in required courses each semester with a grade of C or above (refer to catalog for required courses).
- 4. Meet all other requirements for admission to nursing major prior to matriculation.

Admission of Baccalaureate Degree applicants

Applicants holding a baccalaureate degree are considered by the College as having completed the Core Curriculum requirements.

Degreed nursing applicants must meet all stated admission requirements.

The cumulative grade point average will apply for degreed nursing applicants.

Required support courses for admission into the nursing major are as follows:

	oning major and are remain	
Bio 121	Anatomy and	
	Physiology I	4
Bio 221	Anatomy and	
	Physiology II	5
Bio 231	General and Medical	
	Microbiology	5
Chem 100	Introductory Chemistry	5
Bio 308	Pathophysiology	4
Kine 385	Nutrition for Human	
	Development	3
Total		

26

210 / Nursing

Admission of Registered Nurses (RNs)

Registered nurses are admitted to the College as graduates of Southern's Associate Degree Nursing Program or as transfer students. In addition to the program admission requirements, registered nurses must also meet the following requirements:

- 1. Graduated from a state-approved and National League for Nursing (NLNAC) accredited associate degree or diploma nursing program.
- 2. Current registered nurse licensure or eligibility in the state of Missouri.
- 3. Upon successful completion of Nurs 301 Transitions in Nursing, 3 credit hours, validation of 31 credit hours of nursing knowledge will be transcribed for credit as follows:

Nurs 310	Assessment and	
	Technologies	5 cr
Nurs 320	Adult Nursing	7 cr
Nurs 350	Family Nursing	9 cr
Nurs 360	Mental Health	
	Nursing	4 cr
Nurs 400	Complex Nursing	6 cr

Admission of Licensed **Practical Nurses (LPNs)**

Licensed Practical Nurses (LPN) are admitted to the College as first-time (generic) or transfer students. LPN applicants must meet all college and program requirements for admission. The LPN has the option to challenge 5 credit hours for Nurs 310 Health Assessment and Technologies through departmental examination. An assessment fee per credit hour will be charged to the student's account.

Transfer Policy for Nursing Students and Registered Nurses

- 1 All program admission criteria must be met.
- 2. A letter of reference is required from the Dean or Director of the nursing program previously attended stating the student left in good standing and is eligible for readmission.
- 3. Transfer courses will be evaluated for course equivalency at Missouri Southern on an individual basis.
- 4. Nursing courses with a clinical component must be fully met.
- 5. Transfer is based on space availability.

Special Fees

In addition to all established fees for college students, a special laboratory fee of \$200.00 is assessed for each of the following courses: Nurs 310 Health Assessment and

Technologies

Nurs 430 Advanced Health Assessment

Other costs incurred during the program include, but are not limited to: required equipped nurse bag, uniforms, pins, standardized examination fees, graduation fees, licensing examination fees, hepatitis series, current immunizations, etc. A detailed list of items and costs is available in the Nursing Department.

Bachelor of Science Degree Nursing

209.00	Semester H	loure			
Coro Bogu		42			
		91			
	descriptions for prerequis	illes)			
Nurs 301	Transitions in Nursing	0			
NI 005	(RNs)	3			
Nurs 305	Pharmacology in	•			
	Nursing	3			
Nurs 310	Health Assessment and	_			
	Technologies	5			
Nurs 320	Adult Nursing	7			
Nurs 350	Family Nursing	9			
Nurs 360	Mental Health Nursing	4			
Nurs 370	Gerontologic Nursing				
	(WI)	3			
Nurs 400	Complex Nursing	6			
Nurs 420	Nursing Ethics (WI)	3			
Nurs 430	Advanced Health				
	Assessment	3			
Nurs 450	Community Health				
	Nursing	5			
Nurs 460	Nursing Research (WI)	3			
Nurs 470	Nursing Management				
	and Leadership	5			
Bio 121	Anatomy and				
	Physiology I*	4			
Bio 221	Anatomy and				
	Physiology II	5			
Bio 231	General and Medical				
	Microbiology	5			
Bio 308	Pathophysiology	4			
Chem 100	Introductory				
	Chemistry*	5			
Comp 105	Introduction to				
	Microcomputers	3			
Kine 385	Nutrition for Human				
	Development	3			
Psy 320	Statistics	3			
Total		133			

*Satisfies the Core requirements

Suggested Order of Study

Bachelor of Science Nursing -Four Year

Major Code 3200

Freshman Year

Fall Semeste	er	
Course		Hours
Bio 121	Hum Anatomy/Physiology	1 4
Eng 101	English Comp I (WI)	3
Math 130	College Algebra	3
Comm 100	Oral Communication	3
Kine 103	Lifetime Wellness	2
Comp 105	Intro to Microcomputers@	3
Psy 120	College Orientation	1
		19

Freshman Year

Spring Sem	ester	
Bio 221	Hum Anatomy/Physiology	II* 5
Eng 102	English Comp II (WI)	3
Chem 100	Intro Chemistry*	5
Econ 180	Amer Econ System	3
Psy 100	General Psychology	3
		19

Sophomore Year

1 oui	
r	
General and Medical	
Microbiology*	5
Area 2.a (Fine Art)	3
Area 2.b (Literature)	3
Nutrition for Human	
Development	3
U.S. History 1492-1877	3
	17
	Microbiology* Area 2.a (Fine Art) Area 2.b (Literature) Nutrition for Human Development

Sophomore Year

Spring Sen	iester	
Bio 308	Pathophysiology*	4
CORE	Area 2.c (Fine Art or	
	Literature)	3
CORE	Area 5 (International	
	Culture Studies	3
PSc 120	Gov't: U.S., St, Local	3
Kine 101	Physical Activity	1
Hist 120	U.S. Hist 1877 - Pres	3
		17

Junior Yea	r	
Fall Semes	ter	
Nurs 301	Transitions in Nursing (RNs)	
Nurs 305	Pharmacology in Nursing	
Nurs 310	Health Assessment and Technologies+^	
Nurs 320	Adult Nursing+	15

Junior Year

ouinoi ioui		
Spring Seme	ester	
Nurs 350	Family Nursing+	9
Nurs 360	Mental Health Nursing+	4
Nurs 370	Gerontologic Nursing (WI)	3
		16

Nursing / 211

Senior Year Fall Semester Nurs 400 Complex Nursing*+ 6 Nurs 420 Nursing Ethics (WI) 3 **Nurs 430** Adv Health Assessment 3 Psy 320 Statistics' 3 15 Senior Year Spring Semester

Nurs 450 Community Health Nursing

Nurs 460 Nursing Research (WI) **Nurs 470** Nursing Mgmt & Leadership 5

5

*See course descriptions for prerequisites.

+Complete Nurs 301 Transitions in Nursing with a grade of "C"

receive credit for Nurs 310, Nurs 320, Nurs 350, Nurs 360, Nurs 400

@ Department waiver as outlined in Nursing Student Handbook.

^Credit by departmental examination for Licensed Practical Nurses.

Minors

Minors in supportive disciplines are available to nursing students. See requirements for the following suggested (but not exclusive) minors: Informatics, Business, Spanish, etc.

Americans with Disabilities Act implications

Students are required to have a completed physical examination/health verification after admission to the nursing program. Students will be required to demonstrate physical and/or emotional fitness to meet the essential requirements of each course in the program. Such essential requirements include freedom from communicable diseases, the ability to perform certain physical tasks and suitable emotional fitness. Any appraisal measures used to determine such physical and/or emotional fitness will be in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Core performance standards for admission and progression which comply with the Americans with Disabilities Act of 1990 are available in the office of the Department of Nursing.

For additional information contact:

Dr. Barbara Box

Office: Kuhn Hall 210-B Phone: 417.625.9322

E-mail: box-b@mail.mssc.edu

Course Descriptions

Nurs 301 (F)

Transitions in Nursing

This course will assist the Registered Nurse student to examine the role of a baccalaureate degree prepared nurse in a changing healthcare environment. The student will have the opportunity to integrate current nursing practice, philosophy, concepts and theories into his/her professional practice. Offered on line only. Prerequisite: Admission to the nursing program and registered nurse licensure.

Nurs 302 (F) (Demand)

Herbal and Complementary Therapies

Herbal and Complementary Therapies is a course designed to enhance the learner's understanding and appreciation of universal alternative and holistic approaches to health. "Nontraditional" treatment methods that comprise complementary therapies include herbal medicine, homeopathy, naturopathy, therapeutic massage, and acupuncture. One three hour lecture per week. Prereguisite: Bio 101 General Biology.

Nurs 305 (F) 3 hrs cr.

Pharmacology in Nursing

This course is designed to introduce the nursing student to essentials of basic and clinical pharmacology in preparation for application with patient populations in a clinical setting. The student will focus on the commonalities of drug classifications related to the physiologic systems of clients during the life span. Prerequisite: Admission to the nursing program and concurrent with Nurs 310 and Nurs 320. (RN's: Concurrent enrollment in Transitions (Nurs 301) is required.)

Nurs 310 (F) **Health Assessment and Technologies**

Incorporates a systematic approach to basic health assessment and application of basic nursing interventions for the person with limited variances in health. Three hrs. lecture and 6 hrs. lab per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 305 and Nurs 320.

Nurs 320 (F) 7 hrs cr **Adult Nursing**

Focuses on variances in health of adults with common health problems. Emphasis is on application of the nursing process in secondary prevention. Four hrs. lecture and 9 hrs. clinical per week. Prerequisite: Admission to the nursing program and concurrent with Nurs 305 and Nurs 310.

Nurs 350 (S) 9 hrs cr. **Family Nursing**

Focuses on health promotion of the developing family and nursing care of the maternity and pediatric client with variances of health. Five hrs. lecture and 12 hrs. clinical per week. Prerequisites: Nurs 305, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 360 and Nurs 370.

Nurs 360 (S)

3 hrs cr.

4 hrs cr.

Mental Health Nursing

Focuses on assessment, promotion of mental health and care of the person with variances in mental health. Use of therapeutic communication and the nurse-client relationship are emphasized. Two hrs. lecture and 6 hrs. of clinical per week. Prerequisites: Nurs 305, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 350 and Nurs 370.

Nurs 370 (S) 3 hrs cr. **Gerontologic Nursing** (Writing Intensive) Focuses on the normal aging process and common health variances of the older person. Three hrs. lecture per week. Prerequisites: Nurs 305, Nurs 310, and Nurs 320 with a minimum grade of "C" and concurrent with Nurs 350 and Nurs 360 or RN status with permission of instructor.

Nurs 400 (F)

6 hrs cr.

Complex Nursing

Focuses on the nursing care of persons with complex variances in health in acute care and rehabilitation settings. Three hrs. lecture and 9 hrs of clinical per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 420 and Nurs 430.

Nurs 420 (F) 3 hrs cr. **Nursing Ethics** (Writing Intensive) Focuses on the process of ethical decision making. Ethical issues confronting the professional nurse are explored. Three hrs. lecture per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 430.

Nurs 430 (F) 3 hrs cr.

Advanced Health Assessment

The emphasis of advanced health assessment will be refining abilities to utilize techniques to assess, identify and describe variances from normal. Two hrs. lecture and 3 hrs. of lab per week. Prerequisites: Nurs 350, Nurs 360 and Nurs 370 with a minimum grade of "C" and concurrent with Nurs 400 and Nurs 420.

5 hrs cr. Nurs 450 (S)

Community Health Nursing

Concepts and methods for assessment of community strengths and health needs will be analyzed to improve the overall health status of the person and aggregates. Three hrs. of lecture and 6 hrs. of clinical. Prerequisites: Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 460, and Nurs 470.

Nurs 460 (S) 3 hrs cr. **Nursing Research** (Writing Intensive) Emphasizes evaluation of nursing research, utilization of research findings in the clinical setting and assisting in the conduct of research. Three hrs. of lecture per week. Prerequisites: Psy 320, Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and concurrent with Nurs 450, and Nurs 470.

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Nurs 470 (S)

5 hrs cr.

Nursing Management and Leadership Emphasis is on nursing management and organization, nursing leadership skills and resource allocation. Three hrs. lecture and 6 hrs. clinical per week. Prerequisites: Nurs 400, Nurs 420 and Nurs 430 with a minimum grade of "C" and

concurrent with Nurs 450, and Nurs 460.

Nurs 498 (Demand)

1-3 hrs ci

Seminar in Nursing

Special topic or topics not normally included in another course. Prerequisites: Upper division standing, additional requirements will be stipulated in the syllabus of the course.

Nurs 499 (Demand) Independent Study 1-3 hrs cr.

Independent study course structured by adviser with approval of department head. Prerequisite: Advanced standing in major field. Registration in the course must be approved by adviser, department head and school dean. Minimum of 3.0 GPA required.

Paramedic

Justice Center 155, 417.625.3020

Faculty Krtek

The School of Technology and the Emergency Medical Training Department offer certificate programs preparing students to take the National Registry examinations as Emergency Medical Technicians or as Paramedics. This is closely integrated with area Emergency Medical Services and area Trauma Centers. Students seeking information about these programs should check with the Director of EMS programs for details about scheduling of the courses. The courses offered meet all requirements of the National Curriculum. The Department of Emergency Medical Training is an Accredited Training Entity for the Missouri Department of Health and the Missouri Bureau of Emergency Medical Services.

Classroom instruction is supplemented by clinical observation and experience. The program meets through three semester periods beginning each Fall semester. The clinical training is arranged through area hospitals and ALS ambulance services. Applicants must be at least 18 years of age, hold a high school diploma or equivalent

and possess a current Missouri State EMT ambulance license. A minimum of one-year experience is preferred. Out-of-state students should contact the E.M.S. Training office no later than May to begin reciprocity application. Applications and pretest information should be obtained from the office before the end of the Spring semester. Special book and equipment fees are assessed for this course.

Associate of Arts

Major Code 7008

Core Requ	uirements [42*]	3
Bio 221	Human Physiology and	
	Anatomy*	5
Para-250	EMT - Paramedic	12
Para-270	EMT - Paramedic	12
Para-290	EMT - Paramedic	9
		7

*Satisfies 4 hours of Core requirements

Admission Criteria

- Must be 18 years of age before first class.
- 2. High school graduation diploma or its equivalent.
- Evidence of successful completion and certification of a course of training for EMT-Basic.
- Must submit a complete record of immunizations.
- 5. Have a current State of Missouri EMT-Basic license.
- Maturity of judgment, sound moral character and health status, which provide reasonable assurance that the student will meet the physical and mental demands of the occupation.
- We will require proof of current health insurance.
- Have a State Highway Patrol background check completed and sent to E.M.S. training department at MSSC.

OUT OF STATE STUDENTS:

You must apply for and receive a Missouri E.M.T.-Basic license before the first day of class. Write: Missouri Bureau of E.M.S., Attn: Greg Natsch, Box 570, Jefferson City, MO 65102 for details 573.751.6356.

Final selection of students by the admissions committee shall be based on the following factors:

 Oral interview to determine career goals, communication skills, background, and orientation toward the paramedic educational program.

- Written and practical exam which will include EMT-Basic as well as math questions.
- Letters of recommendation from employers, professional personnel and/or past instructors.

You must complete and submit an Application by June 1 for Admission to M.S.S.C. prior setting for the Pre-test and interview.

Course Descriptions

Paramedic I

Para 250

12 hrs. cr.

EMT - Paramedic

This training course is organized to cover the Preparatory, Airway Management, Patient Assessment and Trauma portion of the National Curriculum. The classes will meet for three, four-hour classes each week of the semester. The class time will include both didactic and hands-on training of the skills needed. These will include medication administration, airway maintenance, IV access and monitoring. There will be no clinical hours included in this semester. Prerequisites include a current National Registry or Missouri EMT-Basic license and a CPR card. Para 250 is a prerequisite for Para 270.

Paramedic 2

Para 270

12 hrs. cr.

EMT - Paramedic

This training course is organized to provide the student with knowledge about the acute, critical differences in physiology, pathophysiology, or clinical symptoms, as they pertain to the pre-hospital emergency medical care of the infant, child, adolescent, adult and geriatric patient. The student will have an opportunity to acquire clinical experience and practical skills related to the emergency medical care of these patients both during class time and during hospital based clinical rotations. Prerequisites include completion of Para 250 and a current EMT-Basic license. Para 270 is a prerequisite for Para 290.

Paramedic 3

Para 290

9 hrs. cr.

EMT - Paramedic

This is the final portion of the Paramedic Program. During Paramedic 3, the student will meet for one class a week for the didactic portion covering special considerations in emergency medicine, assessment based management and operations of the Emergency Medical Services. During the remaining part of the week, the student will be assigned specific hours with Advanced Life Support Ambulance Services and specified Preceptors to complete the Field Internship portion of the training. Prerequisites include completion of Para 270.

Paramedic, Pre-Engineering, Preprofessional, Radiologic Technology / 213

For additional information contact:

Mr. Michael G. Krtek Office: Justice Center 155 Phone: 417.625.3020

E-mail: krtek-m@mail.mssc.edu

Visit our web site at: http://www.mssc.edu/

schtech/ems/home.htm

	Geometry II*	5
Math 260	Calculus with Analytica	L
	Geometry III*	5
Comp 110	Programming I	3
Econ 201	Principles of	
	Economics (Macro)	3
Elective	(Math or Physics)***	7-8
Electives	(Humanities/Social Scientification)	ence/
	Drafting/Chemistry)***	4
		68-69

For additional information contact:

Mr. Marion Sloan

Office: Reynolds Hall 213 Phone: 417.625.9616

E-mail: sloan-m@mail.mssc.edu

Pre-Engineering

Reynolds Hall 213, 417.625.9616

Faculty Sloan-Head, Chelf, Knapp, Marsh

The physical science department at Missouri Southern, in cooperation with the engineering staff at the University of Missouri-Rolla and the University of Missouri-Columbia have prepared booklets describing the Cooperative Engineering Program between these schools and MSSC. These booklets list the course sequence for a student taking the first two or two and one-half years of an engineering science curriculum at Southern and planning to transfer to UMR or UMC. The plan also includes the courses the student will take at UMR or UMC to complete a B.S. degree in various engineering disciplines.

Although most of the engineering programs are standard for the first two years, there are a few differences and thus the student should meet with a pre-engineering adviser during the first semester. If a student wishes to transfer to a school other than UMR or UMC, it is suggested that the catalog of that school be reviewed for any differences in its program and the UMR or UMC outline. College catalogs are available in the Reserve area of Spiva Library. Any adviser who desires a copy of the booklet should contact the physical science department.

	Semester I	Hours
Core Requ	irements (p. 34) 26 **	15
Pre-engine	eering Requirements	54
Phys 160	General Physics I*	3
Phys 270	General Physics II*	5
Phys 280	General Physics III*	5
Phys 312	Statics*	3
Chem 101	General Chemistry I*	5
Math 150	Calculus with Analytical	
	Geometry I*	5
Math 250	Calculus with Analytical	

*See course descriptions for prerequisites. **Required math and physics courses simulatneously satisfy eleven hours of Core Curriculum and major requirements.

***The student should meet with a preengineering adviser for the proper selection depending on the field of engineering.

Suggested Order of Study

Associate of Science Degree Major Code 5499 Pre-engineering Major

Freshman Year

1st Semester Course Hours CORE [Eng 101 Comp I] 3 Math 150 Calculus I 5 Phys 160 General Physics I 3 Chem 101 General Chemistry I 5 CORE [Psy 120 College Orient] 1 17 2nd Semester

5 Math 250 Calculus II Phys 270 General Physics II 5 Econ 201 Prin of Economics 3 CORE [Fine Arts/Humanities] 3 [Kine 101 Physical Activity] CORE

Sophomore Year 1st Semester

Math 260	Calculus III	5
Phys 280	General Physics III	5
Comp 110	Programming I	3
CORE	[Hist 110/120 U.S. Hist]	3
CORE	[Kine 103 Lifetime Wellne	ess] 2
		18
2nd Semeste	er	
Math 322	Differential Eq.*	3
Phys 372	Electronic Circuits*	4
Phys 312	Statics	3
Phys 341	Thermal Physics*	4
OR		
Phys 322	Classical Mechanics*	3
CORE	[Comm 100 Oral Comm]	3
		16-17

*Suggested elective, not required for A.S. degree

Preprofessional

Justice Center 126, 417.625.3155

Associate of Arts Degree

This curriculum is designated for Missouri Southern students to complete admission requirements for professional schools that will accept applicants who have completed approximately 60 hours.

Also, students who are completing certification requirements for paramedic programs and desire a college degree may choose this degree program.

For additional information contact:

Dr. Tia Strait

Office: Justice Center 126 Phone: 417.625.3155

E-mail: strait-t@mail.mssc.edu

Dr. John Messick

Office: Hearnes Hall 318 Phone: 417.625.9385

E-mail: messick-j@mail.mssc.edu

Radiologic Technology

Kuhn Hall 304, 417.625.3118

Faculty Schiska

The associate of science degree in radiologic technology combines Core Curriculum courses, supportive courses in the behavioral sciences and natural sciences and special courses in the field of radiology

214 / Radiologic Technology

including extensive clinical laboratory experiences. The clinical laboratory experiences are provided through agreements between Missouri Southern and St. John's Regional Medical Center or other accredited facilities. The student successfully completing the curriculum is eligible to write the National Registry Examinations to become a Registered Technologist.

Completion of the degree requires the completion of Core Curriculum requirements for the associate of science degree, all radiologic technology courses, Bio 221, Bio 240, Chem 100 or Phys 100 and Psy 221. Applicants whose backgrounds have not prepared them for Bio 221 must meet these prerequisites before being admitted to the program as well as the prerequisites listed below (see suggested order of study).

Special admissions procedures are required for admittance into this program, in addition to admission to Missouri Southern State College. A special Radiologic Technology application must be turned in to the Director of the Radiology Program before February 1st of the year the student would enter the program. Students may begin the program only at the beginning of the fall semester.

In addition to established fees for all college students, special fees of \$15 for the first semester and \$125 for the last summer semester, are required for enrollment in radiology courses.

Students who are already registered technologists may also enter the program.

Radiological course credit will be granted to the Registered Radiologic Technologist, equal to that granted to the graduating associate of science student, at the time the Registered Radiologic Technologist starts the program. A minimum of 30 additional academic semester hours is required. This credit must include the general education requirements for the associate of science degree plus a concentration of courses in one of the subject matter areas of business (accounting and secretarial procedures or business management), behavioral sciences or natural science (concentration in either biology, chemistry or physics).

Associate of Science in Radiologic Technology

Semester Hours

	irements (p. 34)		26
Radiology	Requirements		55
Rad 101	Introduction to Radiology*	3	
Rad 111	Medical Terminology	3	
Rad 121	Patient Care and Special		
	Procedures in Radiology	3	
Rad 132	Prin of Radiographic		
	Exposure	3	
Rad 142	Radiographic Pos I	3	
Rad 160	Film Critique	2	
Rad 170	Radiologic Physics	3	
Rad 180	Practicum in Radiology	4	
Rad 241	Radiographic Pos II	3	
Rad 252	Radiographic Pos III	3	
Rad 282	Practicum in Radiology II		
Rad 290	Practicum in Radiology III	4	
Rad 299	Advanced Radiology	3	
Bio 221	Human Anatomy		
	& Physiology II*	5	
Chem 100	Elementary Chemistry**		
OR			
Phys 100	Fundamentals of Physica	1	
	Science	5	
Psy 221	Personal Adjustment	3	
Bio 240	Radiation Biology*	3	
			04

^{*}See course descriptions for prerequisites.
**Satisfies Core Curriculum Requirement.

Suggested Order of Study

Associate of Science Degree Major Code 5207 Radiologic Technology Major

Prerequisites:

3
3
4
3
1
14

Freshman Year

Fall Semes	ster		
Course		Hours	s
Bio 221	Human Anatomy & Phys II*	* 5	
Rad 101	Intro to Radiology	3	
Rad 170	Radiologic Physics	3	
Rad 142	Radiographic Pos I	3	
		14	

,	CORE	Radiographic Pos II [Kine 103 Lifetime Wellness	3 3 2 14
	Summer Sei Rad 160 Rad 180	mester* Film Critique Practicum in Radiology I	2 4 6
	Sophomore Fall Semeste Chem 100 OR Phys 100 Psy 221 Rad 252 CORE		5 3 3 1
	Spring Semo CORE CORE Rad 121 Rad 282 CORE	ester [Hits 110 or Hits 120]*** [Comm. 100 Oral Comm] Pat Care & Spec Proc. Practicum in Radiology II [Literature or Fine Arts]	3 3 3 2 3 14
	Summer Se Rad 290 Rad 299	mester Practicum in Radiology III Advanced Radiology	4 3 7

[Department Recommendations]

*Summer classes meet a minimum of 10 weeks.
**Placement in Bio 221 will depend on pre-entrance Introduction to Human Biology test scores or completion of Bio 121.

***Missouri Constitution Exam or PSc 120 Gov't: U.S., State, Local

****(may be taken during the fall semester of the Freshman year with special permission from the program director)

For additional information contact: Mr. Alan Schiska, Program Director

Office: Kuhn Hall 304 Phone: 417.625.3118

E-mail: schiska-a@mail.mssc.edu

OR

Dr. Tia Strait

Office: Justice Center 126 Phone: 417.625.9328

E-mail: strait-t@mail.mssc.edu

Radiologic Technology, Respiratory Therapy / 215

4 hrs. cr.

3 hrs. cr.

Course Descriptions

Rad 101

3 hrs. cr.

Rad 180

week.

Rad 241

Rad 252

per week.

Practicum in Radiology I

Radiographic Positioning II

Radiographic Positioning III

Intensified clinical training in the areas of urology,

surgery, special procedures, fluoroscopy and

general radiography. Course meets for 10 weeks

summer sessions. Twenty-five hrs. clinic per

In-depth study of routine and special views of the

skull and facial bones. Film critique, radiation

protection and skull anatomy review included.

Two hrs. lecture, 3 hrs. lab, 20 hrs. clinic per week.

Procedures and techniques for examination of

various organs, including vascular studies, CT

and special procedures. Course includes film

critique, radiation protection and review of vas-

cular anatomy. Three hrs. lecture, 20 hrs. clinic

Introduction to Radiology

Basic procedures and equipment in the radiology department. Includes organization, function and supervision of a radiology department with a history of radiology, terminology specific to radiology, ethical principles and legal aspect of technology and radiation protection. Three hrs. lecture per week. Prerequisite Bio 221.

Rad 111

3 hrs. cr.

Medical Terminology

The language of medicine, especially as related to radiology, through a comprehensive study of the more common medical roots, prefixes and suffixes. Relates medical roots to everyday English words. A survey of medical and surgical diseases is included. Three hrs. lecture per week.

Rad 282 3 hrs. cr.

Practicum in Radiology II Advanced clinical training. Includes an introduc-

tion to CT an increased responsibility in special procedures. Twenty hrs. clinic per week.

4 hrs. cr.

2 hrs. cr.

Practicum in Radiology III

Professional clinical training with special attention given to final training in special procedures and surgery. Includes float rotations that may include radiation therapy, ultrasound, MRI and CT. Course meets 10 weeks during the summer session. Twenty-five hrs. clinic per week.

Rad 299

3 hrs. cr.

Advanced Radiology

Comprehensive review of the field of radiology including innovations and trends in the field with special emphasis on preparation for the national registry examination. Three hrs. lecture per week.

Rad 121 **Patient Care and Special**

Procedures in Radiology Routine and special care of the patient. Includes

sterile techniques, preparation of contrast media. Special attention to visualization of digestive, urinary, and reproductive organs and review of pathology. In addition, students are exposed to the basics of mammography and principles of digital and computed radiography. Three hrs. lecture per week.

Rad 132

3 hrs. cr. Principles of Radiographic Exposure

Fundamental principles of technique and tech-

nique conversion with particular emphasis on the factors that directly and indirectly affect radiographic exposure. Emphasis on radiation protection and darkroom chemistry and techniques. Three hrs. lecture per week.

Rad 142

3 hrs. cr.

Radiographic Positioning I

Basic radiographic positioning including both standard and specialized position of the chest, extremities and spine. Film critique and radiation protection are included. Two hrs. lecture, 3 hrs. lab and 15 hrs. clinic per week.

Rad 160

2 hrs. cr.

Film Critique

Develops student's problem-solving ability to evaluate X-ray films as to technical quality and diagnostic interpretation. Includes an introduction to quality assurance and pathology review. One hr. lecture, 2 hrs. lab per week.

Rad 170

3 hrs. cr.

Radiologic Physics

The physics of radiology. The physical principles of X-ray production. Including theory in electricity, rectification, circuitry and basic equipment maintenance. Three hrs. lecture per week.

Respiratory Therapy

Justice Center 144, 417.625.9848

Faculty Pippin-Head, Hudson, Erwin

A career in the medical field can be a dynamic and rewarding opportunity. The changing nature of the medical profession is creating a demand for multi skilled health professionals with communication, interpersonal, and excellent clinical skills such

as the respiratory care practitioner. The Respiratory Care Programs are designed to prepare students to be employed in the hospital, clinic, laboratory, and alternate care settings such as the patient's home. Respiratory Therapist perform a variety of clinical, diagnostic and management functions in these settings.

The Respiratory Therapy Department offers these career tracts:

- (1) an Entry-Level Associate of Science degree for applicants entering the
- (2) an Upper Division, Advanced-Level Certificate tract for graduates of an associate of science entry-level respiratory therapy program and
- (3) a Career Ladder Baccalaureate Degree Program, for graduates of the advanced level program.

The curriculum offers the following options:

- · Entry Level Associate of Science in Respiratory Therapy, designed for those entering the respiratory therapy field, requires 64 semester hours of general education and professional courses.
- · Advanced Level, Upper Division Certificate Program in Respiratory Therapy designed for graduates of an entry-level, associate degree respiratory therapy program, who have passed the NBRC Certification examination or who have applied to take the CRT exam. Successful completion of the CRT exam must occur before completion of the Advanced level curriculum. Graduates from a certificate entry level program without an Associate of Science degree must complete core requirements as well as the advanced level respiratory therapy course requirements.
- · For those students interested in a Bachelor degree, there are two options. A Bachelor of Science in Management Technology with an Emphasis in General Business or a Bachelor of General Studies designed for graduates of the Advanced Level Respiratory Therapy program.

The Entry Level, Associate of Science **Degree Program in Respiratory Therapy** prepares students for a position as a certified respiratory therapist. The program is provided by Missouri Southern State College and Franklin Technology Center, through a consortium for respiratory therapy

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education. The Associate of Science, entry-level program consists of a core academic component and a major concentration component. The academic section consists of the MSSC associate of science degree core requirements, including courses in the Humanities and Fine Arts, Natural Science, Social and Behavioral Sciences, Mathematics, English, Communication, and Physical Education concentration areas. The respiratory therapy major concentration components comprise both the didactic and respiratory therapy clinical instructional areas.

The Advanced Level, Upper Division, Certificate Program builds upon the entrylevel associate of science degree program. It consists of an advanced level respiratory therapy major concentration component. The concentration component comprises respiratory therapy education in the didactic and clinical competencies required of an advanced level trained respiratory care practitioner. All students must successfully complete the NBRC Entry Level (Certification) Examination prior to graduation from the advanced level program and must agree to sit for the Advanced Level (Registry) examination immediately upon graduation. Currently the advanced level program is offered as an on-line program.

Registered respiratory therapist function in a wide variety of settings. As clinicians they work in adult intensive care units. pediatric and neonatal intensive care units, emergency and trauma units, operation and recovery rooms, rehabilitation programs, home health agencies, and a variety of cardiopulmonary diagnostic laboratories. Some graduates pursue advanced degrees in management, education, public health, or the biomedical sciences. Graduate degrees lead to positions in educational institutions in teaching or research capacities. Senior respiratory care practitioners may be responsible for the management and operation of respiratory care departments.

Respiratory Therapy Students must demonstrate numerous competencies representing all three learning domains: the cognitive, psychomotor and affective domains. Students learn, practice, and verify these competencies in a number of settings including the classroom, laboratory and clinic. To achieve the required competencies in the classroom setting, respiratory therapy students must perceive, assimilate and integrate information from a variety of sources. These sources include oral in-

struction, printed material, visual media, and live demonstrations. Students must participate in classroom discussion, give oral reports, and pass written and/or computer-based examinations of various formats. Completion of these tasks requires cognitive sills, such as reading, writing and problem-solving. To be physically capable of the classroom work, students must, with assistance, be able to: hear, see, speak, sit and touch. Respiratory therapy laboratories provide students with the opportunity to view demonstrations, evaluate and practice with medical devices and perform simulated clinical procedures. In addition to the cognitive skills required in the classroom, students must demonstrate psychomotor skills in manipulation of patients and equipment, as well as general professional behaviors, like team-building and interpersonal communications. To satisfy laboratory and clinic requirements, students must perform all procedures without critical error.

Admission to Missouri Southern or Franklin Technology Center does not automatically grant admission to the respiratory therapy program. In addition to meeting admission requirements to the College, candidates must apply for admission to the department of respiratory therapy.

Enrollment is competitive; Applicants must submit the necessary information to the department office by the designated deadline to be considered for acceptance. Evidence of computer literacy and satisfactory completion of the following prerequisites with a "C" or better must be presented: Math 030 Intermediate Algebra or higher. Department Recommendation; High school or college course work in Physical Science and Chemistry. Interested individuals are encouraged to contact the Program Director of Respiratory Therapy for more specific information regarding admissions criteria.

In addition to established fees for all college students, other costs are incurred by respiratory therapy students such as: uniforms, books, self assessment examinations, graduation pins, AARC student membership dues, liability insurance, and various expense for transportation to off campus clinical sites and professional meetings.

The advanced level, upper division program is for the graduate of an accredited entry-level associate degree respiratory therapy program. Previous respiratory care education and practice are recognized and valued throughout the curriculum. The ad-

vanced level curriculum expands respiratory therapy knowledge and practice gained in the entry-level program to meet the changing health care needs of the community and region. Graduates of Missouri Southern's Associate degree entry-level certification program are eligible for direct admission to Southern's Advanced Level Respiratory Therapy program. Recent graduates must pass the CRT exam prior to completion of the advanced level curriculum. Graduates of other accredited entry-level programs are eligible for admission upon meeting transfer requirements and current certification from the National Board for Respiratory Care.

Graduate outcomes

Graduates of the program will:

- Demonstrate the ability to comprehend, apply, and evaluate clinical information relevant to their role as respiratory therapist.
- Demonstrate the technical proficiency in all skills necessary to fulfill the role as a respiratory therapist.
- Demonstrate personal behavior consistent with professional and employer expectations for the respiratory therapist.

Admission Criteria (Entry Level, Associate of Science in Respiratory Therapy)

Application for the entry-level program should be made directly to the Respiratory Therapy Department Office on the Missouri Southern State College campus (special admissions procedures are required for admittance into this program in addition to admission to MSSC).

- Continuous enrollment, readmission or admission to Missouri Southern and Franklin Technology Center as a transfer student.
- 2. Completion of an approved college level math course.
- 3. Provide documentation of computer literacy.
- 4. Minimum percentile score on the Health Occupations Entrance Test administered by the Department.

Admission to the program is competitive. Applicants who meet all admission criteria, have completed math and biology courses, and/or have healthcare experience will be given preference in admission.

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Admission Criteria (Upper Division, Advanced Level Program)

- 1. Graduation from an Associate of Science degree entry-level program accredited by the Commission on Accreditation of Allied Health Education programs (CAAHEP) for entry level respiratory care or graduate from a certificate entry level program who concurrently completes the Associate of Science degree with the advanced level curriculum.
- 2. Continuous enrollment, readmission or admission to Missouri Southern as a transfer student.
- 3. Preference given to persons currently holding certification from the National Board for Respiratory Care, Inc. and/or a graduate of Missouri Southern's entry-level respiratory therapy program.

Entry-Level Associate of Science in Respiratory Therapy

Major code 5600

	Associate	Degree	
	Core Requ	uirements	25
	Respirato	ry Therapy	
	Major Rec	uirements	39
	Resp 101	Respiratory Therapy	
4		Foundations	3
	Resp 102	Cardiopulmonary Sciences	3
	Resp 105	Cardiopulmonary Anatomy	
		& Physiology	3
	Resp 107	Respiratory Therapy	
		Procedures	3
	Resp 108	Respiratory Procedures	
		Lab	3
	Resp 120	Cardiopulmonary	
		Pathology	3
	Resp 125	Respiratory Therapy	
		Clinical I	3
	Resp 129	Cardiopulmonary	
		Pharmacology	3
	Resp 222	Introduction to	
		Mechanical Ventilation	4
	Resp 226	Cardiopulmonary	
	_	Diagnostic	3
	Resp 239	Respiratory Therapy	
	D 044	Clinical II	5
	Resp 311	Neonatal/Pediatric Care	3
	CORE	[Bio 121 Human Anatomy	
	CODE	& Physiology I]	4
	CORE	[Math 030 or higher]	3
	Total		64

Advanced Level, Upper Division Certificate in Respiratory Therapy

Associate of Science in Respiratory				
Therapy (Therapy (entry-level program) 64			
Respirato	ry Therapy			
Major I	Requirements	18		
Resp 307	Cardiopulmonary			
	Assessment	6		
Resp 312	Mechanical Ventilation	3		
Resp 313	Alternate Site Respiratory			
	Care (WI)	3		
Resp 340	Advanced Level Clinical			
	Practice	5		
Resp 341	Research Issues, Methods	1		
Total		82		

Suggested Order of Study

Associated of Science Degree Major code 5600 Respiratory Therapy (Entry-level)

Prerequisite

Math 030	Intermed Algebra or Higher	3	
CORE*	[Eng 101 English Comp] WI	3	
Respiratory	Therapy Orientation		6

Freshman Year

(Missouri So	uthern/Franklin Technology Co	enter)
Fall Semest	er	
CORE	[Hum Anatomy/Physiology I]	4
CORE*	[Comm 100 Oral Comm]	3
Resp 101	Resp Therapy Foundations	3

1000	rioop morapy roundations	0	
Resp 102	Cardiopulmonary Sciences	3	
Resp 107	Resp Ther Procedures	3	
Resp 108	Resp Ther Procedures Lab	3	
		19	
Spring Seme	ster		
CORE*	[Humanities and Fine Arts]	3	
CORE*	[Kine 101 Physical Activity]	1	
Resp 105	Cardio Anatomy & Phys	3	
Resp 120	Cardiopulmonary Pathology	3	
Resp 125	Clinical Resp Therapy Exp I	3	
Resp 129	Cardio Pharmacology	3	

3 16

2

Summer S	emester
CORE*	Psy 100 or Soc 100
CORE*	Kine 103 Lifetime Wellness

Sophomore Year (Missouri Southern/Franklin Technology Center)

Fall Semester		
CORE*	Hist 110 or Hist 120	3
Resp 222	Intro to Mech Ventilation	4

Resp 226	Cardio Diagnostics	3
Resp 239	Clinical Resp Therapy Exp II	5
Resp 311	Neonate/Pediatric Resp Care	
		0

[Entry Level Program

Department Recommendations1

*Identified Core courses may not necessarily be taken in this order, however all Major courses must be taken in sequence and in the order presented in this catalog. Associate of science degree students must meet the Missouri Constitution Requirement by completing PSc 120 or the Missouri Constitution Test.

Suggested Order of Study

Advanced-Level

Junior Year (Missouri Southern State College) **Spring Semester**

nesp 307	Cardiopulifioriary	
	Assessment	6
Resp 312	Mechanical Ventilation	3
Resp 313	Alternate Site Resp Care (W	1) 3

Summer Semester

(Missouri Se	outhern State College)		
Resp 340	Advanced Level Respirator	ry	
	Therapy Clinical Experience	e 5	
Resp 341	Research Issues, Methods	&	
Pro	blems in Respiratory Care	1	
Advanced L	evel	18	
Entry level a	and Advanced Level Major	1	82

[Advanced Level Program Department Recommendations]

These graduates must have passed the National Board for Respiratory Care certification examination prior to earning an advanced level certificate in respiratory therapy from Missouri Southern State College. The entry-level core, of students entering the advanced level curriculum, should include Fundamentals of Physical Science or Introduction to Chemistry, Intermediate Algebra, Introduction to Computers and a total of seven semester credits of Human Anatomy and Physiology I and Cardiopulmonary Anatomy and Physiology.

For additional information contact: Glenda Pippin, Director Consortium for Respiratory Therapy Education Justice Center, MSSC Campus 3950 East Newman Road Joplin MO 64801 Phone: 417.659.4405 Fax: 417.659.4408

E-mail: pippin-g@mail.mssc.edu

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Course Descriptions

Resp 101 (F) 3 hrs. cr. **Respiratory Therapy Foundations**

Entry level information is presented regarding respiratory therapy history from its conception to its current goals and standing. Topics covered include medical terminology, hospital and respiratory therapy department structure and management, psychosocial aspects of patient care, and medical ethics. A clinical session, allows the student an orientation rotation at the program's clinical sites. Prerequisite: Admission to the respiratory therapy program and completion of a College Level Math course.

Resp 102 (F) 3 hrs. cr. Cardiopulmonary Sciences

Focuses on the sciences used in the practice of respiratory therapy. Emphasis will be placed upon physics, chemistry, and microbiology as related to the cardiopulmonary sciences. Prerequisite: Admission to the respiratory therapy program.

Resp 105 (S) 3 hrs. cr.

Cardiopulmonary Anatomy and Physiology

An in-depth presentation of the cardiopulmonary system, its abnormalities and corrective techniques as related to respiratory therapy. Included are the concepts of the cardiovascular system, ventilation, diffusion of pulmonary gases, hemodynamic measurements, ventilation perfusion relationships, oxygen and carbon dioxide transport, acid base balance and arterial blood gas analysis. Prerequisite: Admission to the respiratory therapy program, college level math course and completion of Bio 121.

Resp 107 (F) 3 hrs. cr. **Respiratory Therapy Procedures**

Theory and practice of basic respiratory therapy procedures as outlined in the National Board for Respiratory Care (NBRC) entry level examination content outline. Including cardiopulmonary assessment, medical gas administration, oxygen therapy, infection control, equipment maintenance, chest physiotherapy, chest expansion therapy, airway management, bedside pulmonary function testing, arterial puncture and administering medicated aerosol therapy. Prerequisites: Admission to the respiratory therapy program and concurrent enrollment or completion of the Respiratory Therapy Procedures Laboratory course.

Resp 108 (F) 3 hrs. cr.

Respiratory Therapy Procedures

Laboratory

Students practice entry level respiratory care procedures, using state-of-the-art equipment, in the clinical laboratory under simulated patient situations. The student will address the three difficulty levels of learning, in the laboratory environment (Recall, Application, and Analysis). Prerequisites: Admission to the respiratory therapy program and concurrent enrollment or completion of Resp 107.

Resp 120 (S) 3 hrs. cr.

Cardiopulmonary Pathology

Study of concepts and theory of selected cardiopulmonary diseases, to include: definition, clinical manifestations, etiology, pathologic, radiological and laboratory findings; prevention, prognosis and treatment. Prerequisite: Admission to the respiratory therapy program and completion of Bio 121.

Resp 125 (S) 3 hrs. cr.

Clinical Respiratory Therapy

Experience I

Clinical instruction supplemented by clinical conferences that allow the student to apply the class-room and laboratory respiratory therapy competencies mastered in specific respiratory therapy courses. Prerequisites: Resp 107 & Resp 108.

Resp 129 (S) 3 hrs. cr.

Cardiopulmonary Pharmacology

Comprehensive overview of the general principles of pharmacology. Focuses on the drugs and drug groups that are either administered by respiratory therapy personnel, or those that play a role in the care of cardiopulmonary patients. Prerequisite: Bio 121 and admission to the respiratory therapy program.

Resp 222 (F) 4 hrs. cr. Introduction to Mechanical Ventilation (Life Support Technology)

Emphasis on the technical components of mechanical ventilators, their classification, principles of operation, attachments, and the flow/pressure/volume curves generated by various ventilators, compliance and resistance. An introduction to the management of patients receiving mechanical ventilation will be presented. Prerequisite: Admission to the respiratory therapy program.

Resp 226 (F) 3 hrs. cr. Cardiopulmonary Diagnostics

Theory, application and equipment for diagnosing respiratory pathologies through the diagnostic concepts used in respiratory therapy. Include techniques utilized for measurement of lung gas volumes, capacities, flows, and cardiopulmonary status during exercise testing. Prerequisite: Admission to the respiratory therapy program.

Resp 239 (F)

5 hrs. cr.

Clinical and Laboratory Experience II
Clinical instruction supplemented by clinical cor

Clinical instruction supplemented by clinical conferences that allow the student to apply the knowledge and respiratory care skills mastered in the Respiratory Care courses; Cardiopulmonary Diagnostics, Introduction to Mechanical Ventilation, and Neonatal and Pediatric Respiratory care in the laboratory and clinical setting. The course will emphasize ventilator care, diagnostic procedures, and alternate site care (home care). Prerequisite: Resp 125.

Resp 307 (F, S) 6 hrs. cr Cardiopulmonary Assessment

A systematic approach to advanced cardiopulmonary patient assessment. Emphasis is on evaluation of the respiratory care plan based upon laboratory data, electrocardiogram interpretation, fluid and electrolyte balance, acid base balance and oxygen transport, pulmonary function testing, exercise testing, interpretation of chest x-rays, bronchoscopy, and hemodynamic monitoring. Prerequisite: Admission to the advanced level respiratory therapy program. Graduates of an advanced level respiratory therapy program may use this course as a review for their national board examinations.

Resp 311 (F) 3 hrs. cr.

Neonatal and Pediatric Respiratory Care

Respiratory care of the neonatal and pediatric population beginning with fetal development and continuing through assessments of infants including, gestational age, APGAR scoring and Silverman scoring. Various heart/lung deficiencies will also be discussed as well as treatment modalities. Prerequisite: Admission to the respiratory therapy program.

Resp 312 (F, S) 3 hrs. cr.

Advanced Mechanical Ventilation

(Advanced Life Support)

A continuation of the Introduction to Mechanical Ventilation (Life Support Technology) course. In-depth study of ventilator management in critical care, long-term care, and the home environment utilizing case studies and clinical problem based learning sessions. In addition the course addresses ACLS (Advanced Cardiac Life Support). Prerequisite: Resp 222 and admission to advanced level respiratory therapy program.

Resp 313 (F, S) 3 hrs. cr. Alternate Site Respiratory

Care (Writing Intensive)

Theoretical aspects of providing respiratory therapy at alternate sites. Includes components of home respiratory therapy, extended care units, long term care facilities, ventilator rehabilitation centers, physician offices, land/air transport, outpatient diagnostic clinics. Introduces the fundamentals of teaching and learning theories. Prerequisite: Admission to the advanced level respiratory therapy program.

Respiratory Therapy / 219

Resp 340 (F, S, Summer)

5 hrs. cr.

Advanced Level Respiratory Therapy Clinical Experience

Progressive process of developing cognitive levels at the recall, application, and analysis levels as a respiratory care practitioner. Correlates directly with the Advanced Mechanical Ventilation (Advanced Life Support) course, Cardiopulmonary Assessment, Neonate/Pediatric, and the Alternate Site (Management/Pulmonary Rehabilitation/Home Care) courses, to provide the student a clinical environment to demonstrate these learned advanced level respiratory care competencies. Prerequisite: Admission to the advanced level respiratory therapy program and concurrent enrollment or completion of the advanced level theory coursework.

Resp 341 (F, S, Summer)

1 hr. cr.

Research Issues, Methods and Problems in Respiratory Care

Directed research and discussion in selected areas of respiratory care for advanced level respiratory therapist. Course work includes independent literature search under the supervision of a respiratory care instructor that utilizes the student's program acquired respiratory care critical thinking, writing, and oral presentation skills. Research scope, depth, and area of concentration to be approved by the program director. Prerequisite: Students must be in their final semester of the advanced level program to enroll in this course.

Institute of International Studies

International Studies

222 / International Studies

International Studies

Webster Hall 337, 417.659.4442

Faculty C. Stebbins - Director

Objective

It is the goal of Missouri Southern State College that all academic programs be enhanced through an emphasis on international education. To that end, the College has identified five objectives:

- Graduates will have an understanding of how cultures and societies around the world are formed, sustained, and evolve.
- Graduates will have empathy for the values and perspectives of cultures other than their own and an awareness of international and multicultural influences in their own lives.
- Graduates can identify and discuss international issues and cultures other than their own.
- 4. Graduates have communicative competence in a second or third language.
- Graduates have experienced or desire to experience a culture other than their own

Several activities have been designed and implemented to help make these objectives possible. They include encouraging and supporting faculty to lead student groups abroad; providing grants for faculty to internationalize the curriculum; developing bilateral exchange agreements with universities in other countries; developing "themed" semesters featuring special course offerings, lectures, and cultural events of a particular continent or country; increasing the number of foreign language course sections and course offerings; and increasing the number of Performing Aid Awards for students majoring or minoring in a foreign language.

The Institute of International Studies, moreover, is committed, through its leadership, in assisting global education to become more pervasive throughout the curriculum and extracurricular activities of the College.

Finally, the Institute is committed to continual assessment of international programs

and its mission to ensure that students develop not only an awareness of international problems but specific competencies needed in business, industry, government, education, and the professions.

Study Abroad Programs

(Semester and Year-Long Opportunities) Kimberly S. Gray Webster Hall 337B, 417.625.9838

Missouri Southern students have many exciting opportunities to study for a semester or year in other countries. The College is a member of the International Student Exchange Program (ISEP), through which MSSC students can study and earn credit at more than 100 colleges and universities in 33 countries around the world. In addition, students may choose to participate in the Bilateral Exchange Program. The College has negotiated a number of departmental bilateral agreements with international institutions; these exchanges are usually specific to a student's major. For semester or year-long exchanges, MSSC students studying abroad through ISEP or most Bilateral Exchange programs pay regular MSSC tuition and room/board fees in U.S. currency and financial aid is applicable.

To participate in a long-term study abroad program, students must have a minimum GPA of 2.75 (higher for some host institutions); be degree seeking and enrolled full time; intend to return to MSSC to graduate; and generally have completed 60 credit hours by the time of the exchange.

More information on study abroad programs is available on the Institute of International Studies' web page: www.mssc.edu/international.

The Major

Today one must cope with a growing array of complex global issues which are, at their core, as former U.S. Senator William Fulbright once said, human problems not technological ones. Because of that, international studies must center on constructive interaction with people from cultures and countries other than the students' own. The Institute of International Studies provides courses, coordinates international enhancement of existing courses, supports development of new international courses, and promotes study, work, and travel abroad by students and faculty. Integrating lan-

guage and cross cultural studies with disciplines and specific areas of concern, the Institute offers both a major and minor in international studies, further emphasizing the importance of such inquiry in the students' future world. The major in international studies is committed to the development by students of high intellectual standards, concern for the whole person, and practical cross-cultural and professional skills to enable them to embark upon immediate employment or graduate study.

It is the goal of the major in International Studies that students who complete the program shall:

- Demonstrate communication skills in a language other than their own at a proficiency beyond the intermediate level of study.
- Analyze a variety of problems of international significance, selecting or creating possible solutions, and defining possible means of implementation.
- Compare values of one culture with those of another, demonstrating how values develop and analyzing how cultural values impact on decisions of international importance.
- Analyze the impact of social institutions in their own culture as well as in another, demonstrating an understanding of individuals' roles in these systems, be they governmental, economic, religious, family, or occupational.
- Identify activities and products which constitute the scientific/technological aspects of a culture other than their own, demonstrating an understanding of the impact of such activities and products on the individuals and the physical environment in a culture.
- 6. Identify those activities and products which constitute the artistic aspects of a culture other than their own; understand the impact which art, in its various forms, has on individuals in a culture; and analyze the uses of works of art within that culture.

International Studies as defined by the Institute of International Studies allow as many disciplines as possible to become involved in the internationalizing of the College. The International Studies major and minor is an interdepartmental degree program admin-

International Studies / 223

istered by the Institute of International Studies. The program offers students an opportunity to enhance their understanding of the diverse cultures of the world and provides a substantial foundation for professional careers in diplomacy, law, education, international business and commerce, journalism, the military, research, public health, human service organizations, and much more. Opportunities in most of these professions are available in both the public and private sectors in the United States and abroad. The major is also a good foundation for graduate study in such diverse areas as international law, business, history, political science, foreign languages, anthropology, as well as international relations, intercultural communication, peace studies, and other interdisciplinary programs.

The Bachelor of Arts Degree with a Major in International Studies

Semester Hours
Core Requirements (p. 33) 48*
Foreign Language 12
(4 courses in one foreign language are required for the B.A. degree.)
International Studies Requirements:

			4	16-5
	IntS 201	Introduction to		
		International Studies		3
	IntS 301	World Humanities		3
	IntS 302	World Environmental		
		Issues		3
1	IntS 303	Contemporary World		
		Civilizations		3
1	IntS 304	Comparative Political		
		Economy		3
	IntS 305	International		
		Techno-Trends**		3
	IntS 400	Senior Thesis in		
		International Studies		3
		g Requirements:		
	Foreign La			6
		al hours in the foreign		
		used to satisfy the B.A.		
	requiremen			
		riate research methods		
		specific discipline must	be	
1	student's a	consultation with the	4	_
			1-	5
	courses	approved international	4	8
1	Electives			o 4-18
	Licotives			4-10
			16	-

***Must include at least 40 upper-division (300-400 level) hours.

The Minor in International Studies

Semester Hours

IntS 201	Introduction to		
	International Studies		3
At least tv	vo of the following:		6
IntS 301	World Humanities	3	
IntS 302	World Environmental		
	Issues	3	
IntS 303	Contemporary World		
	Civilizations	3	
IntS 304	Comparative Political		
	Economy	3	
IntS 305	International		
	Techno-Trends	3	

Six additional hours which can be selected from IntS designated courses and from IntS 301, 302, 303, 304, 305 or IntS 400, Senior Thesis in International Studies.
(Three hours could include a study-abroad experience.)
Foreign Language (six hours beyond the B.A. requirement of 12 hours, all in the same language.)

Suggested Order of Study

Bachelor of Arts Major Code 4900 International Studies Major

Freshman Year

13t Semeste			
Course		Hou	ırs
CORE	[Eng 101 Comp 1]	3	3
CORE	[Math 110 Intro to Col Math	1 3	3
CORE	[Comm 100 Oral Comm]	3	3
CORE	[Kine 101 Physical Activity]	1	
Foreign Lang	guage	3	
Elective	[Hist 130 World Civilization]	3	
Psy 120	College Orientation	1	
		17	

2nd	Semester	r
-----	----------	---

CORE	[Eng 102 Comp II]	3
CORE	[PSc 120 Gov't: U.S./Sta/Lo	c]3
CORE	[Art/Mus/Th 110 Appreciatio	
CORE	[Kine 160 Lifetime Wellness	12
Foreign Lang	guage	3
Elective	[Hist 140 World Civilization]	3
		47

Sophomore Year

Junior Year

6

6 21

1st Semester		
CORE	[Hist 110 U.S. History]	3
CORE	[Phys 100 Fund of Phys Sci]	5
Foreign Lang	juage	3
IntS 201	Intro to Int'l Studies	3
CORE	[Econ 201 Prin of Econ]	3
		7

2nd Semeste	er	
CORE	[Bio 101 General Biology]	4
Foreign Lang		3
IntS 304	Comp Political Economy	3
CORE	[Eng 261 Mstrpces of Wld Lit]	3
Elective	[Geog 211 Regions/Nations]	3
	1	6

er	
[Hist 120/320 U.S. History]	3
guage	3
World Humanities	3
[Eng 262 Mstrpces of Wld Li	t]3
[Comm 305 Intercul Comm]	3
Contemporary World Civ	3
	18
er	
[Psy 100/Soc 110]	3
	[Hist 120/320 U.S. History] guage World Humanities [Eng 262 Mstrpces of Wld Li [Comm 305 Intercul Comm] Contemporary World Civ

2nd Semeste	er	
CORE	[Psy 100/Soc 110]	3
Foreign Lang		3
IntS 302	World Environmental Issues	3
Electives		6
	1	15

Senior Year	r	
1st Semeste	er	
IntS 305	International Techn	no-Trends 3
Research M	ethods Course	1-5
Electives		7-11
		12

		12
2nd Semest	er	
IntS 400	Sr Thesis in Int'l Studies	3
Electives		9
		12

[Department Recommendations]

For additional information contact: Dr. Chad Stebbins Director, Institute of International Studies Office: Webster Hall 337 Phone: 417-659-4442

E-mail: stebbins-c@mail.mssc.edu

^{*}Three hours of foreign language meet core requirements.

^{**}Meets computer literacy requirement.

224 / International Studies

Course Descriptions

IntS 201 (F)

3 hrs. cr.

Introduction to International Studies

An introduction to the interdisciplinary study of global issues. The student will receive a variety of ideas, insights, and images of the world, and will discuss a number of topics including methodologies of global studies and career options. Required of international studies majors and minors, open to all others.

IntS 298 (Demand)

3 hrs. cr.

Selected Topics in International Studies

Topics not normally included in another course. Prerequisites are determined by the Institute of International Studies and stipulated in the course syllabus.

IntS 301 (F)

3 hrs. cr.

World Humanities

Transcultural study of the manifestations of the major art forms of the humanities: literature, theatre and film, painting and sculpture, music and dance. The course will stress critical exploration of the relation of the art forms to the cultures from which they emerge and comparative study of the nature and function of the art forms in traditions temporally or spatially distinct from each other, including western and eastern traditions. Required of international studies majors; open to all others. Prerequisite: 3 cr. hrs. from among Core Curriculum humanities courses.

IntS 302 (S)

3 hrs. cr.

World Environmental Issues

A global survey of the environmental disasters, both natural and man-made, that plague the world community, including earthquakes, volcanoes, floods, avalanches, atmospheric phenomena, climate modification, radiation, destruction of tropical rainforests, declining biodiversity, resource depletion, stratospheric ozone depletion, urbanization and overpopulation; discussion of global carrying capacity and limits to growth; analysis of "sustainable" global communities; an overview of global responses to environmental issues through economic policies, the United Nations, international treaties, and the "Green" political movement; and critical review of the various philosophies which underpin contemporary evaluations of the condition of the environment. Required of international studies majors; open to all others. Prerequisite: Physics 100 and Biology 101.

IntS 303 (F)

3 hrs. cr.

Contemporary World Civilizations

A systematic and comparative introduction to the contemporary history of major world civilizations, with a special emphasis on historical developments that have influenced more than one civilization or cultural region. Required of international studies majors; open to all others. Prerequisite: 3 hours of history.

IntS 304 (S)

3 hrs.

Comparative Political Economy

Comparative study of alternative methods of solving the political and economic problems of production, distribution and allocation. Required of international studies majors, open to all others. Prerequisite: 3 hours of economics.

IntS 305 (F)

3 hrs. cr.

International Techno-Trends

A systematic and comparative view of the historical, cultural, environmental, ethical, economic, legal and political factors that have influenced issues and trends in technology. Issues related to international communications, criminal justice, health and manufacturing will be explored. Required of international studies majors; open to all others. Prerequisite: English 102 and Junior Standing.

IntS 400 (F, S)

3 hrs cr.

Senior Thesis in International Studies

(Writing Intensive)

With a faculty supervisor the student will explore and challenge a topic of global concern and produce a senior thesis and make an oral presentation. Required of all international studies majors. Prerequisite: Senior standing, permission of the director of the Institute of International Studies and an appropriate course in research techniques chosen in consultation with the student's adviser.

IntS 498 (Demand)

3 hrs. cr.

Special Topics in International Studies

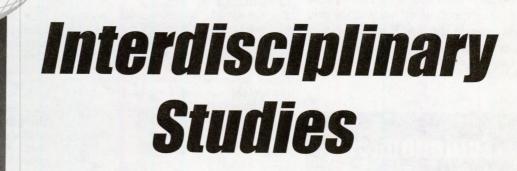
For upper-division students. Topic to be announced each time the course is offered. Pre-requisites are determined by the Institute of International Studies and stipulated in the course syllabus.

IntS 499

1-3 hrs. cr.

Independent Study in International Studies

An independent course structured by the adviser with approval of the director of the Institute of International Studies. Prerequisite: Must have completed 90 hours with a cumulative grade point average of 3.0 and have completed a minimum of 15 hours of international studies courses. Project must be approved by adviser, by the course director, and by the director of the Institute of International Studies prior to enrollment.



Ecolonomics
Honors Program
Multimedia
Pre-Law

Interdisciplinary Studies

In today's complex environment the lines between disciplines are becoming blurred. The solution to problems and the jobs that go with them will increasingly require the application of principles from a variety of disciplines. The goal of interdisciplinary study is to help students develop knowledge and skills outside the traditional disciplinary boundaries.

Ecolonomics

Certificate Program in Ecolonomics

Sustainability refers to practices that maintain natural resources at least at their present level. Ecolonomics, a phrase coined by MSSC alumnus Dennis Weaver, is the promotion of sustainable alternatives that are economically profitable. The certificate program in Ecolonomics develops an understanding of these issues through the following courses:

Econ 180	The American	
ECON 100		
	Economic System	
OR		
Econ 201	Principles of	
	Economics (Macro)	3
Bio/EH 312	Environmental Biology	
	(Writing Intensive)	4
Psc 421	Public Administration	3
Mids 402	Future Environments:	
	An Introduction to	
	Sustainability	3
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For additional information contact:

Dr. John Messick

Office: Hearnes Hall 318 Phone: 417.625.9341

E-mail: messick-j@mail.mssc.edu

Course Descriptions

MIDS 402 (Demand) 3 cr. hrs. Future Environments: An Introduction to Sustainability

This capstone to the Ecolonomics Certificate applies the principles of ecology, economics and public administration to sustainability, which is the discipline that promotes a quality life and sound economy in an environment that maintains natural resources. The course emphasizes practical applications. Prerequisites: Bio/EH312, Econ 180 or Econ 201, and PSc.

Honors Program

The Honors Program at Missouri Southern State College is intended to encourage academic excellence by providing special opportunities and challenges for exceptional students. While students will take courses offered in Southern's regular curriculum, the following courses are specifically designed for Honors students. For a complete description of the program, please see pages 51-53.

By engaging the honors students as volunteers in unfamiliar institutions which are oriented toward public service, this experience is designed to lead the students through a critical analysis or the organization's culture and dominant paradigms of thought encountered during the time of service.

MIDS 298 (Demand)

MIDS 201 (F, S)

Service Learning

1-4 hrs. cr.

Interdisciplinary Seminar

An interdisciplinary course. Topics will vary. Open to all students. 1-4 credit hours. Prerequisites will vary according to topic. Enrollment with instructor's permission only.

MIDS 390 (F)

3 hrs. cr.

Honors International Study

A directed reflective analysis of an international study experience in either a domestic or foreign culture wherein the honors student is engaged in service and/or learning which requires an understanding of the world views and principal paradigms which shape that culture. The course is designed to equip the student to articulate with maturity and sophistication the values of a service and/or learning experience in a foreign culture.

MIDS 398 (Demand) Interdisciplinary Seminar

3 hrs. cr.

An interdisciplinary Honors course. Topics will vary. Open to juniors and seniors in the Honors Program and to others with a 3.5 GPA with instructor's permission. Required for juniors in the Honors Program. Prerequisites: Membership in the Honor's Program and completion of 60 or more credit hours or 3.5 GPA and instructor's permission.

Course Descriptions

MIDS 101 (F,S)
Honors Forum

1 hr. cr.

An open forum to introduce Honor students to the principles and practice of scholarly inquiry and active learning. Students in small groups are responsible for the selection, design, research, and presentation of topics covering a range or a combination of disciplines. May be taken up to three times for credit.

Multimedia

The minor in Multimedia is designed to allow students to gain the skills necessary for careers in a variety of occupations such as business communications, advertising, graphics and the arts, network communication systems, and business and media communication. Students will gain skills in software, multimedia design, programming, communication, marketing, and strategy development.

Minor in Multimedia Required: MM 415 Virtual Marketing 3 Comp 110 Programming I 3 Art 101 Basic Design I 3 Comm101 Intro to Human Comm 3 12 For Business emphasis + Choose two*: MM 337 Mgmt Info Systems MM 401 **Promotional Mgmt** 3 MM 432 Consumer Behavior 3 For Technology emphasis + Choose two*: **CIS 305** Microcomputer App I **CIS 310** Microcomputer App II 3 CAMT 210 Computer Animation 3 for Industry For Art/Graphic Design emphasis + Choose two*: Art 215 Computer Design I 3 Art 240 Typography and Lettering 3 Art 315 Computer Design II For Communication emphasis + Choose two*: Comm 130 Intro to Broadcasting Comm 200 Audio Production for

Total for Minor (Multimedia)

Media

Comm 311 Intro to Public Relations 3

Comm 470 New Media Technology

*Other courses may be substituted with permission of adviser.

Pre-Law

Webster Hall 234, 417.625.9333

Faculty Advisers Scott, Tiede, Yates

There is no special course of study required for pre-law students at Southern. There is also no formal major in pre-law. However, the College offers a variety of activities such as Law School Admissions Test (LSAT) training sessions, field trips to law schools and on-campus visits by law school recruiters to help students prepare for and select a law school. Although there is no pre-law major at Southern, there are a variety of course offerings which would be helpful to a student desiring to enter law school. Courses which help develop skills in reading comprehension and analytical thinking are especially important. Courses which acquaint the student with legal vocabulary and "hypothetical" exam questions which are the staple of law school exams, may also be useful.

The curriculum for pre-law students should be jointly planned by the student and one of the pre-law advisers. The student may major in almost any discipline emphasizing development of the academic skills necessary to prepare the student for performing well on the LSAT and for the rigorous study required in law school. The major will also be determined by the student's general area of academic interest and by the type of law, such as government service, private practice, corporate law or criminal prosecution or defense which the student plans to practice.

For additional information contact: Dr. Trina Scott

Di. Tilla Scott

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Phone: 417.625.3143

E-mail: scott-t@mail.mssc.edu

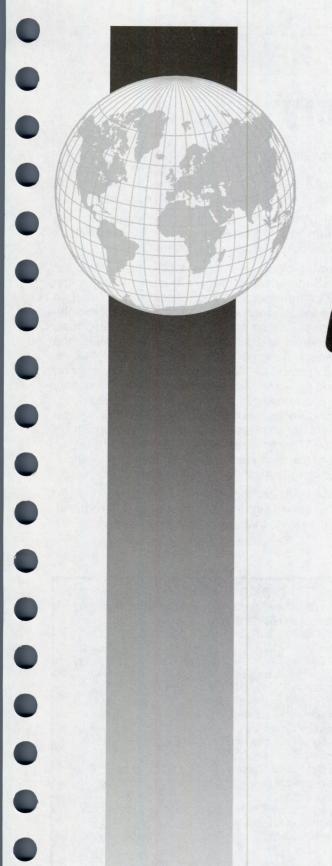
Dr. John Tiede

Phone: 417.625.9503

E-mail: tiede-j@mail.mssc.edu

Dr. Michael Yates Phone: 417.625.9333

E-mail: yates-m@mail.mssc.edu



College Organization

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Regents/Trustees

College History

The citizens of Joplin, who in the late 1930s asked the public school district to offer college classes, could not have envisioned the sprawling campus and multidiscipline curriculum that today is Missouri Southern State College. From that initial request came Joplin Junior College, founded in 1937 as part of the Joplin school system. Nine faculty members and 114 students began classes under the auspices of the Extension Division of the University of Missouri in the new high school building.

In the spring of 1938, voters approved almost 5-to-1 a bond proposal that would assure the continuation of the junior college. During the next 25 years Joplin Junior College established a national reputation for outstanding academic strength, a strong foundation for what was to come. By the mid-1960s, area citizens again recognized the need for expanded educational opportunities.

In 1964, the citizens voted in an 8-1 majority to create the Junior College District of Jasper County with a Board of Trustees to govern the newly named Jasper County Junior College. The following year, the Missouri General Assembly established a two-year senior college to be funded by the state when facilities of the junior college became available. The district would continue to fund the freshman and sophomore years.

The area again responded with enthusiastic and generous support to fund the building of a new campus on the site of the Mission Hills Farm to house the growing college.

Administration and faculty, working with other college educators around the state, began developing the new curriculum. In August 1967, students gathered for the first time on the new campus of Missouri Southern State College.

The dual funding arrangement with the state continued until 1977 when on July 1 the State of Missouri officially took on the responsibility of funding the entire College.

With growing global interdependence, it became clear that Missouri Southern must prepare its students to function successfully in the emerging global economy. So in June 1990, plans were announced to pursue the expansion of the College's mission to incorporate an international emphasis in all its academic and special programs. In 1995, the Missouri General Assembly approved House Bill 442, directing the institution to "develop such academic support programs and public service activities it deems necessary and appropriate to establish international or global education as a distinctive theme of its mission." The following year the Legislature began phasing in increased appropriations to help Missouri Southern make the global mission a reality. Many new programs in international education that enrich and complement the existing programs are now in place.

Today Missouri Southern State College remains a proud member of the state's higher education family while continuing to serve the region that is an integral part of its past.

Board of Regents

Loretta M. Coburn	2002
Glenn D. Wilson	2003
Charles C. McGinty	2004
Stephen P. Carlton	2005
Elizabeth A. Deffenbaugh	2006
Douglas A. Brooks	2007

Board of Trustees

Donald R. Patterson Jerry E. Wells

Memberships

Teacher Education Council of State Colleges and Universities

American Association of State Colleges and Universities American Association of Colleges for Teacher Education Association of Collegiate Business Schools and Programs North Central Association

Council for the Advancement and Support of Education American Assembly of Collegiate Schools of Business National League for Nursing Baccalaureate and Higher Degree Programs

American Association of Colleges of Nursing

Accreditations and Approvals

Accredited by The Higher Learning Commission and a member of the North Central Association, 30 N. LaSalle Street, Suite 2400, Chicago, IL 60602-2504, Phone: 800-621-7440, Web Site: www.NCAcihe.org

National Council for the Accreditation of Teacher Education, 2010 Massachusetts Avenue, N.W., Suite 500, Washington, DC 20036, Phone: 202-466-7496

Missouri State Board of Nursing

Missouri State Department of Elementary and Secondary Education

Commission on Dental Accreditation, American Dental

National League of Nursing Accrediting Commission National Accrediting Agency for Clinical Laboratory Science

National Environmental Health Science and Protection Accreditation Council

Joint Review Committee on Education in Radiologic Technology

Committee on Accreditation for Respiratory Care Association of Collegiate Business Schools and Programs

Accreditation Board for Engineering and Technology Police Officers Standards and Training

Information concerning accreditation, including copies of pertinent documents, may be obtained from the Office of the Vice President for Academic Affairs

Administrative Staff

President	
President	Iulio S. Loón
Vice President for Academic Affairs	Laura Mantin
Vice President for Decision Affairs	Larry Martin
Vice President for Business Affairs	esa A. Agee
Vice President for Lifelong Learning Jac	ck G. Spurlin
Assistant Vice President for Academic Affairs	tsv Q. Griffin
Assistant Vice President for Assessment and Institutional Research Delor	es A Honey
Assistant Vice President for Information Services J. S	tous Famous
Assistant Vice President of Deve of Objects	teve Earney
Assistant Vice President and Dean of Students	И. Carnahan
Dean, School of Arts and Sciences Johr	P. Messick
Dean, School of Business Administration Jan	nes M Grav
Assistant Dean, School of Business Administration	nd A Klaind
Poor School of Education	ad A. Kleindi
Dean, School of Education	el J. Horvath
Assistant to the Dean, School of Education	Al R. Cade
Dean, School of Technology	Tia M. Strait
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Head, Department of Biology Si	cott J. Wells
Head, Department of Communications and Foreign Languages Jay F	R Moorman
Head, Department of Computer Information Science	ok I Ookso
Head Department of Criminal Justice	CK L. Oakes
Head, Department of Criminal Justice	. Blake Wolf
Head, Department of Dental Hygiene	corse DeTar
Head, Department of English and Philosophy Dale	W. Simpson
Head, Department of Kinesiology	tsv K. Lipira
Head, Department of Mathematics Juan	I Vazquez
Head, Department of Music	Dhillin Wise
Hood Department of Nursing	Fillip wise
Head, Department of Nursing	rbara J. Box
Head, Department of Physical Sciences Mari	ion E. Sloan
Head, Department of Psychology	K. Murdock
Head, Department of Social Science Richa	ard B. Miller
Head, Department of Teacher Education Debo	
	orah Pulliam
Head Department of Theatre	
Head, Department of Theatre	
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Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services Director of Health Center Director of Honors Program Director of Honors Program Director of Human Resources Director of Institute for International Studies Director of International Language Resource Center Director of Learning Center Director of Learning Center Director of Major Gifts and Planned Giving Director of Major Gifts and Planned Giving Director of Physical Plant Director of Project STAY Director of Public Information Endown Bound Director of Student Activities Director of Student Financial Aid Director of Student Support Center Kell Director of Student Support Center Kell Director of Upward Bound	ay E. Fields ee E. Pound Ilie L. Beard off L. Gibson S. Fullerton tricia Hurley K. S. Skaggs anice Dipley bia P. Kluthe a A. Gipson Outch Kelley D. Stebbins Karmanova A. Godsey rry Williams on W. Tiede Betebenner Harrington Susan Craig d E. Surber L. TBA es E. Gilbert by E. Wilson san Koepke
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Director of Alumni Affairs Director of Athletics Director of Budgeting and Operations Director of Campus Recreation and Wellness Director of Career Services Director of Enrollment Services Director of Health Center Director of Honors Program Director of Honors Program Director of Human Resources Director of Institute for International Studies Director of International Language Resource Center Director of Learning Center Director of Learning Center Director of Major Gifts and Planned Giving Director of Major Gifts and Planned Giving Director of Physical Plant Director of Project STAY Director of Public Information Endown Bound Director of Student Activities Director of Student Financial Aid Director of Student Support Center Kell Director of Student Support Center Kell Director of Upward Bound	ay E. Fields ee E. Pound Ilie L. Beard off L. Gibson S. Fullerton tricia Hurley k S. Skaggs anice Dipley cia P. Kluthe a A. Gipson Outch Kelley D. Stebbins Karmanova n A. Godsey rry Williams n W. Tiede Betebenner Harrington Gusan Craig d E. Surber TBA es E. Gilbert ly E. Wilson san Koepke ndra Hamlin
Director of Alumni Affairs	ay E. Fields ee E. Pound Ilie L. Beard off L. Gibson S. Fullerton tricia Hurley K. S. Skaggs anice Dipley oia P. Kluthe a A. Gipson Outch Kelley D. Stebbins Karmanova n A. Godsey rry Williams n W. Tiede Betebenner Harrington Gusan Craig d E. Surber L. TBA es E. Gilbert ly E. Wilson san Koepke ndra Hamlin Rob J. Yust

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Faculty

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Post Doctoral Studies, Columbia University/
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European Division, West Germany
Bachelor's (B.A.), Abilene Christian University
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Graduate Study, Pittsburg State University,
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International Wordsworth Conference in Grasmere, England

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Assistant Professor, Physics 1997 Bachelor's (B.A.), Drury College Master's (M.S.), University of Arkansas Doctorate (Ph.D.), University of Missouri-Rolla

J. Larry Martin

Professor, Mathematics 1965 Vice President for Academic Affairs Bachelor's (B.S.), University of Tulsa Master's (M.S.), University of Tulsa Doctorate (Ed.D.), University of Georgia

Jeffrey Martinek

Assistant Professor, English 1999 Bachelor's (B.A.), University of Pennsylvania Master's (M.A.), Indiana University Doctorate (Ph.D.), Indiana University

Lyle F. Mays

Professor, Computer Information Science 1981 Bachelor's (B.S.), Missouri Southern State College

Master's (M.S.), University of Washington Doctoral Studies, University of Washington

Robert D. McDermid

Associate Professor, Psychology 1990 Bachelor's (B.S.), Graceland College Master's (M.S.Ed.), University of Kansas Doctorate (Ph.D.), University of Kansas

Wendy McGrane

Assistant Professor, Library 1999 Interiem Library Director Bachelor's (B.A.), Mercer University Master's (M.L.S.), University of Oklahoma

Holly McSpadden

Assistant Professor, English 1999 Bachelor's (B.A.), University of Colorado Master's (M.A.), University of Texas Doctorate (Ph.D.), University of Texas

Roberto Meré

Instructor, Communications 2001 College Preparatory Degree, Escuela Nacional Preparatoria No. 1 J.D., National Autonomous University of Master's (M.A.), University of Arkansas

Allen H. Merriam

Professor, Communications 1982 Bachelor's (B.A.), Drew University Master's (M.A.), Ohio University Doctorate (Ph.D.), Ohio University

John P. Messick

Professor, Biology 1984 Dean, School of Arts and Sciences Bachelor's (B.S.), Southwest Missouri State University Master's (M.S.), University of Idaho Doctorate (Ph.D.), University of Idaho

Richard B. Miller

Professor, Sociology 1985 Head, Department of Social Science Bachelor's (B.A.), Henderson State University Master's (M.A.), Memphis State University Doctorate (Ph.D.), Oklahoma State University

Robert J. Miller

Professor, Business 1968

Bachelor's (B.S.), Central Missouri State University Master's (M.A.), Central Missouri State University Graduate Studies, University of Arkansas, **Purdue University**

Maryann Mitts

Instructor, Kinesiology 2001 Head Women's Basketball Coach Bachelor's (B.A.), Rockhurst College Master's (M.A.), University of Missouri-Kansas City

Teresa Diane Moore

Instructor, Dental Hygiene 1999 Associate's (A.S.), Missouri Southern State College

Bachelor's (B.G.S.), Missouri Southern State College

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Jay Moorman

Associate Professor, Communications 1991 Head, Department of Communications Bachelor's (B.A.), Southern Illinois University-Carbondale

Master's (M.A.), Southern Illinois University-Carbondale

Doctorate (Ph.D.), Southern Illinois University-Carbondale

Melvyn W. Mosher

Professor, Chemistry 1974
Bachelor's (B.A.), University of Washington
Master's (M.S.), University of Idaho
Doctorate (Ph.D.), University of Idaho
Post Doctoral Studies, University of Alberta,
Edmonton

Gwendolyn K. Murdock

Professor, Psychology 1985
Head, Department of Psychology
Bachelor's (B.A.), University of Colorado
Master's (M.A.), University of Colorado
Doctorate (Ph.D.), Georgia Institute of
Technology

Patricia Murphy

Assistant Professor, English 1999 Bachelor's (B.A.), Indiana University Master's (M.A.), Northwestern University Doctorate (Ph.D.), University of Iowa

Brian K. Nichols

Instructor, Business 2000
Bachelor's (B.S.B.A.), Missouri Southern
State College
Master's (M.B.A.), University of Chicago

David W. Noblett

Associate Professor, Art 1989
Bachelor's (B.F.A.), Minneapolis College of
Art and Design
Master's (M.F.A.), Indiana University

Charles E. Nodler

Associate Professor, Library 1978 Archivist/Reference Librarian Bachelor's (A.B.), Missouri Southern State College

Master's (M.A.), University of Texas at Arlington

Master's (M.A.), University of Missouri-Columbia

Certificate of Archival Administration (CAA) Certified Archivist (CA)

Jack L. Oakes

Professor, Computer Information Science 1983 Head, Department of Computer Information Science

Bachelor's (B.S.), Missouri Southern State College

Master's (M.S.), University of Wisconsin Doctorate (Ph.D.), University of Missouri-Rolla

Donna O'Keefe

Instructor, Kinesiology 1997 Wellness Director Bachelor's (B.S.), University of Kansas Master's (M.S.), University of Kansas

Danny C. Overdeer

Professor, Teacher Education 1990 Bachelor's (B.S.), Oklahoma State University Master's (M.S.), Oklahoma State University Doctorate (Ed.D.), Oklahoma State University

William T. Pinet

Assistant Professor, Computer Information Science 1997

Bachelor's (B.S.), The School of the Ozarks Master's (M.S.), University of Missouri-Rolla

Claude Alexander Pinkston, Jr.

Associate Professor, Theatre 2000 Bachelor's (B.A.), University of Florida Master's (M.A.), University of Florida Doctorate (Ph.D.), UCLA

Karen E. Plucinski

Assistant Professor, Biology 2002 Bachelor's (B.A.) University of New Hampshire

Master's (M.A.) University of Montana Doctorate (Ph.D.) University of Montana

Deborah J. Pulliam

Head, Department of Teacher Education Associate Professor, Teacher Education 1994 Bachelor's (B.S.), Southwest Missouri State University

Master's (M.S.), University of Missouri-Columbia

Doctorate (Ph.D.), University of Missouri-Columbia

Richard B. Rawlins

Associate Professor, Business 1988 Bachelor's (B.S.), University of Missouri-Columbia

Master's (M.S.), Oklahoma State University Doctorate (Ph.D.), University of Arkansas

David "Rusty" Raymond

Assistant Professor, Music 1999 Bachelor's (B.M.E.), Northeast Missouri State University

Master's (M.A.), Northeast Missouri State University

David L. Richards

Assistant Professor, Political Science 2000 Bachelor's (B.A.), Trenton State College Master's (M.A.), East Stroudsburg University Doctorate (Ph.D.), Binghamton University, State University of New York

Stephen J. Roark

Associate Professor, Business 1992 Bachelor's (B.S.B.A.), University of Tulsa Master's (M.S. Acct.), University of Tulsa Doctorate (Ph.D.), Arizona State University Certified Public Accountant (CPA)

Brenda S. Roberts

Assistant Professor, Teacher Education 1999
Director of Clinical and Field Experiences
Bachelor's (B.S.E.), Pittsburg State University
Master's (M.S.), Pittsburg State University
Specialist (Ed.S.), Southwest Missouri State
University

Michael T. Rodgers

Assistant Professor, English 1987 Bachelor's (B.A.), Central State University, Ohio

Master's (M.A.), Pittsburg State University Doctoral Studies, University of Tulsa

Vickie R. Roettger

Assistant Professor, Biology 1997
Bachelor's (B.S.), University of Iowa
Medical Technologist Certification (ASCP),
University of Iowa
Master's (M.S.), University of Iowa
Doctorate (Ph.D.), Wright State University

Lynne K. Rusley

Assistant Professor, Business 1984
Bachelor's (B.A.), University of Northern Iowa
Master's (M.A.), University of Northern Iowa
Graduate Studies, University of Northern
Iowa, Laverne University, Arkansas State
University, Northern Illinois University

Tom Rutledge

Assistant Professor, Kinesiology 1988 Head Men's Cross Country/Track and Field Coach

Bachelor's (B.S.E.), Ouachita Baptist University

Master's (M.Ed.), Henderson State University

Arthur M. Saltzman

Professor, English 1981 Bachelor's (A.B.), University of Illinois Master's (A.M.), University of Illinois Doctorate (Ph.D.), University of Illinois

Cristobal M. Sartori

Associate Professor, Communications 1996 Bachelor's (B.A.), Washington University-St. Louis

Master's (M.A.), University of Nebraska-Lincoln

Doctorate (Ph.D.), University of Nebraska-Lincoln

J. Stephen Schiavo

Associate Professor, Computer Information Science 2001

Bachelor's (B.A.), Trinity University Master's (M.S.), University of Texas-San Antonio

Alan Schiska

Assistant Professor, Radiologic Technology 2001

Associate's (A.S.), Missouri Southern State College

Bachelor's (B.S.), Missouri Southern State College

Master's (M.S.E.), Pittsburg State University

Gerald T. Schlink

Professor, Biology 1989

Bachelor's (B.A.), University of Missouri Master's (M.S.), University of Missouri Doctorate (Ph.D.), University of Missouri Post Doctoral, University of Missouri

Karl J. Schmidt

Associate Professor, History 1994
Bachelor's (B.A.), University of South Florida
Master's (M.A.), Florida State University
Doctorate (Ph.D.), Florida State University

Jane Anderson Scholl

Associate Professor, Teacher Education 1995 Bachelor's (B.A.), University of Mississippi Master's (M.Ed.), University of Mississippi Doctorate (Ph.D.), University of Southern Mississippi

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Instructor, Computer Assisted Manufacturing Technology 1994

Bachelor's (B.A.I.S.), Columbia College

John T. Scorse

Assistant Professor, CADD/CAMT/MIMS 1985 Associate's (A.S.), Missouri Southern State College

Bachelor's (B.S.), Missouri Southern State College

Master's (M.S.), Pittsburg State University Certified Manufacturing Engineer (C.M.F.G.E.)

Sandra A. Scorse DeTar

Professor, Dental Hygiene 1985 Head, Department of Dental Hygiene Bachelor's (B.S.), Missouri Southern State College

Doctorate (D.D.S.), University of Missouri-Kansas City

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Associate Professor, Criminal Justice 1994 Bachelor's (B.A.), Indiana University Law Degree (J.D.), University of Missouri-Columbia

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Professor, Business 1989

Bachelor's (B.S.), University of Arkansas-Little Rock

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Dale W. Simpson

Professor, English 1979
Head, Department of English
Bachelor's (B.A.), Harding University
Master's (M.A.), University of North Texas
Doctorate (Ph.D.), University of North Texas

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Associate Professor, Political Science 1990 Bachelor's (B.A.), Chapman College Master's (M.A.), University of Northern Colorado

Doctorate (Ph.D.), University of Missouri-Kansas City

Marion E. Sloan

Professor, Physics 1967
Head, Department of Physical Science
Bachelor's (B.A.), Pittsburg State University
Master's (M.S.), Pittsburg State University
Graduate Studies, Pittsburg State University;
University of Missouri-Columbia; University
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Associate Professor, Business 1995 Bachelor's (B.S.), University of Illinois at Urbana-Champaign

Master' (M.A.S.), University of Illinois at Urbana-Champaign

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Instructor, Business 1996 Bachelor's (B.S.B.A.), Missouri Southern State College

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Instructor, Kinesiology 2000 Assistant Football Coach Bachelor's (B.S.B.A.), University of Arkansas Graduate Studies, Pittsburg State University

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Professor, Teacher Education 1991 Bachelor's (B.S.), Missouri Southern State College

Master's (M.S.), Southwest Missouri State University

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Associate Professor, Music 1996
Bachelor's (B.M.), University of Wisconsin-Eau Claire

Master's (M.M.), University of Northern Colorado

Doctorate (D.A.), University of Northern Colorado

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Assistant Professor, Criminal Justice 1995 Bachelor's (B.S.), Missouri Southern State College

Master's (M.S.), Central Missouri State University

Vikki J. Spencer

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Bachelor's (B.S.E.), University of Missouri Master's (M.S.), Pittsburg State University Doctorate (Ph.D.), University of Kansas

Jack G. Spurlin

Professor, Technology 1975 Vice President for Life Long Learning Bachelor's (B.S.), Northeast Missouri State University

Master's (M.S.), Central Missouri State University

Specialist (Ed.S.), Pittsburg State University Doctorate (Ed.D.), Oklahoma State University

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Assistant Professor, Criminal Justice 1998 Bachelor's (B.S.), Missouri Southern State College

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Associate Professor, Communications 1984 Director, Institute of International Studies Bachelor's (B.S.), Missouri Southern State College

Master's (M.A.), Central Missouri State University

Doctorate (Ph.D.), Bowling Green State University

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William R. Stevens

Professor, Business 1988 Bachelor's (B.S.E.), Missouri Southern State College

Master's (M.Ed.), Central Missouri State University

Doctorate (Ph.D.), University of Arkansas

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Assistant Professor, Dental Hygiene 1991 Dean, School of Technology Associate's (A.S.), Missouri Southern State College

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Master's (M.S.), Pittsburg State University Doctorate (Ed.D.), Saint Louis University

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Associate Professor, Chemistry 1995
Bachelor's (B.S.), Portland State University
Bachelor's (B.S.), The Evergreen State
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Doctorate (Ph.D.), Oregon State University

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Assistant Professor, Communications 2000 Bachelor's (B.A.), Universidad de Puerto Rico Master's (M.A.), New York University Doctorate (Ph.D.), Universidad Complutense de Madrid

Doctorate (Ph.D.), Vanderbilt University

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Associate Professor, Communications 1995
Bachelor's (B.A.), University of the Peoples'
Friendship; Moscow, Russia
Master's (M.A.), University of the Peoples'
Friendship; Moscow, Russia
Master's (M.A.), University of Texas at Austin
Doctorate (Ph.D.), University of Texas at Austin

William Z. Tannenbaum

Associate Professor, History 1991 Bachelor's (B.A.), University of California, Davis

Master's (M.A.), University of California, Davis Master's (M.A.), Stanford University Doctorate (Ph.D.), Stanford University Post Graduate Studies, University of Munich, Hebrew University, Tel Aviv University

Paul Teverow

Professor, History 1982
Bachelor's (B.A.), Case Western Reserve
University
Master's (M.A.), Ohio State University

Master's (M.A.), Onio State University
Doctorate (Ph.D.), Ohio State University
Summer Studies, Oxford University, England

Charles C. Thelen

Professor, Music 1973 Bachelor's (B.A.), Occidental College Master's (M.A.), University of Northern Colorado

Doctorate (Ed.D.), University of Northern Colorado

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Assistant Professor, Criminal Justice 2000 Law Enforcement Academy Coordinator Bachelor's (B.S.), Northeast Missouri State University

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Associate Professor, Mathematics 1987 Bachelor's (B.A.), Washburn University Master's (M.A.), University of Kansas Doctorate (Ph.D.), University of Utah

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Assistant Professor, Kinesiology 1988 Head Women's Volleyball Coach Bachelor's (B.S.E.), Southern Nazarene University

Master's (M.Ed.), Central State University Doctoral Candidate, St. Louis University

L. Hartford Tunnell

Assistant Professor, Computer Information Science 1985

Bachelor's (B.A.), Texas A & M University Master's (M.Ed.), Southwest Texas State University

Certified Data Processor (CDP)
Graduate Studies, Incarnate Work College,
St. Mary's University

Warren F. Turner

Associate Professor, Kinesiology 1976 Head Baseball Coach Bachelor's (B.S.E.), Pittsburg State University Master's (M.S.), Pittsburg State University

Patricia D. Vavra

Assistant Professor, Kinesiology 1994 Head Women's Cross Country/Track and Field Coach

Bachelor's (B.S.), Missouri Southern State College

Master's (M.S.), Pittsburg State University

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Associate Professor, Mathematics 1992 Head, Department of Mathematics Bachelor's (B.A.), University of Puerto Rico Master's (M.Ed.), University of Illinois Doctorate (Ph.D.), University of Florida

T. A. Vernon

Associate Professor, Business 1988 Bachelor's (B.S.), University of Tennessee-Knoxville

Master's (M.B.A.), University of Mississippi Doctorate (D.B.A.), Louisiana Tech University CQE (Certified Quality Engineer)

Steven T. Wagner

Assistant Professor, History 2000 Bachelor's (B.A.), Purdue University Master's (M.A.), Purdue University Doctorate (Ph.D.), Purdue University

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Professor, English 1979 Bachelor's (B.S.E.), Pittsburg State University Master's (M.A.), Pittsburg State University Doctorate (Ph.D.), University of Arkansas

Helen N. Weaver

Instructor, Mathematics 1989 Bachelor's (B.S.), Baker University Master's (M.A.), University of Kansas

Maryann Weber

Professor, Communications 1993
Bachelor's (B.A.), Notre Dame College
Master's (M.A.), Middlebury College
Master's (M.A.), Middlebury College
Doctorate (D.M.L.), Middlebury College
Advanced Studies, Université de Paris X,
Université Cheik Anta Diop, Université de
Laval

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Associate Professor, Sociology 1993 Bachelor's (B.S.), Louisiana State University Master's (M.A.), Louisiana State University Doctorate (Ph.D.), Louisiana State University

Scott J. Wells

Associate Professor, Biology 1993 Head, Department of Biology Doctorate (D.V.M.), University of Missouri

Rhonda L. White

Assistant Professor, Dental Hygiene 1987 Bachelor's (B.S.), University of Missouri-Kansas City

Philip R. Whittle

Professor, Chemistry 1970
Director of MSSC Regional Crime Laboratory
Bachelor's (B.S.), University of Kentucky
Doctorate (Ph.D.), Iowa State University
Post-Doctoral Fellow, University of Colorado

R. Jerry Williams

Assistant Professor, Life Long Learning 1986 Director of Life Long Learning Bachelor's (B.S.), University of Nebraska Master's (M.A.), Bowling Green State University Doctorate (Ed.D.), Oklahoma State University

Phillip C. Wise

Head, Department of Music
Associate Professor, Music 1995
Bachelor's (B.A.), William Penn College
Master's (M.A.), California State University,
Dominguez Hills
Doctorate (Ph.D.), The Union Institute

C. Blake Wolf

Associate Professor, Criminal Justice 1990 Head, Department of Criminal Justice Bachelor's (B.S.), Missouri Southern State College Law Degree (J.D.), University of Arkansas

Edward W. Wuch

Associate Professor, Library 1969
Government Documents/Audiovisual Center
Librarian
Replace (P.C.) Heisensite of Misses

Bachelor's (B.S.), University of Missouri Master's (M.Ed.), University of Missouri Doctoral Studies, Arizona State University

Michael L. Yates

Professor, Political Science 1980 Bachelor's (B.A.), Southern Illinois University Master's (M.Ed.), Southern Illinois University Law Degree (J.D.), University of Missouri Summer Studies, Oxford University, England

Karolyn L. Yocum

Professor, Communications 1986
Bachelor's (B.S.E.), Kansas State College
Master's (M.S.), Kansas State College
Specialist (Ed.S.), Central Missouri State
University
Doctorate (Ph.D.), Ohio State University

Emeritus Faculty

Enid Blevins

English 1966

Loretta Frazier

Head Librarian 1948

J. Merrell Junkins

Psychology 1963

Cleetis Headlee

English 1946

Duane L. Hunt

Theatre 1964

Richard Massa

Communications 1972

Grace C. Mitchell

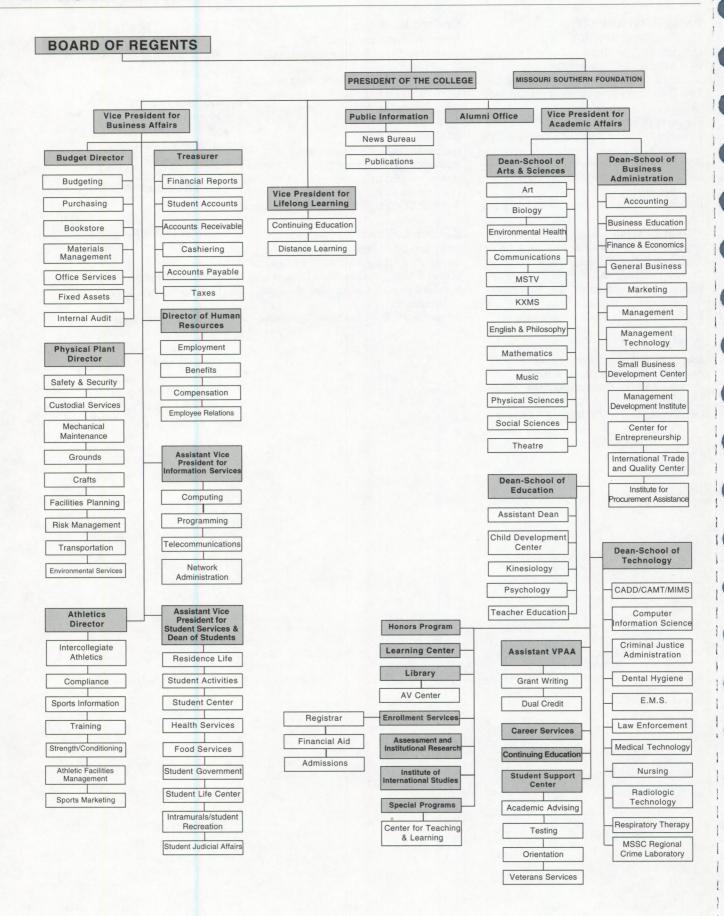
English 1958

Gail Renner

Social Science (History) 1965

(Date is first year of service.)

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Social Science
Sociology
Spiva Library
Standards of Progress
State Legislative Requirements
Student Activities
Student Conduct
Student Government
Student Life Center
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Disability Access

Missouri Southern State College reschedules and relocates classes to ensure accessibility under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. If youare an individual with a disability and require a reasonable accommodation, please contact Melissa Locher, Coordinator of Disability Services in the Learning Center (417.625.9373).

In accordance with the policies and procedures that govern Missouri Southern as a whole, students and faculty members who feel that they have not been accorded their due rights are entitled to grieve the action or lack of action against them. Grievances that are related to an individual's disability, the services provided to him or her or the provision of these services should follow the procedure outlined in Procedure 9.01 when the circumstances relate to academic issues. All other issues (i.e. housing, sporting events, facility access, etc.) should follow the grievance procedures outlined in Procedure 9.02. Information about these procedures is available from the Coordinator of Disability Services, the Dean of Students, or the Vice President for Academic Affairs.

Family Educational Rights and Privacy

The College may disclose personally identifiable information from an educational record of a student without consent in following situations:

- 1. The disclosure is directory information which includes name, address, telephone listing, date and place of birth, major, participation in activities and sports, dates of attendance, degrees and awards received and most recent previous institution attended.
- 2. The disclosure is to school officials, including teachers, who have a legitimate education interest.
- 3. The disclosure is to parents of a dependent student as defined in the Internal Revenue Code.
- 4. The disclosure is in connection with a health or safety emergency.
- 5. Other situations listed in 34CFR 99.31.

Policy Changes

The College reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students, to be effective whenever determined by the College. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions.

Missouri Southern State College Honors Program Application

March 1: Deadline for Fall Honors applicants November 15: Deadline for Spring Honors applicants

Ms. Mrs. Name Mr.	Date of Birth
Last First	Initial
Social Security No:	Telephone No: ()
Address:	E-mail Address:
Street City State	Zip
Highest ACT Composite Score:	
Test Date:	Please list awards, extracurricular activities, and inte ests below. Attach a separate sheet if necessary.
Have you been admitted to MSSC? Yes ☐ No	esis below. Attach a separate sheet in necessary.
If not, please contact the Admissions Office at 417.782.6772 and request an application for admission at once or obtain an application on-line at www.mssc.edu	
Anticipated Enrollment Date:Semester/Year	
Have you applied for financial aid? Yes No If not, please consider doing so. You can apply on-line at www.fafsa.ed.gov or contact the Financial Aid Office at 417.625.9325.	
High School GPA:	
Year of Graduation:	
Class Standing:/	
Potential Major:	
Check below if one applies.	
□ National Merit Finalist	For already enrolled or transfer students:
☐ National Merit Semi-Finalist ☐ National Merit Letter of Commendation	O-H
National West Letter of Commendation	College or University Attended:
Please list the names of the two people you plan to ask for references.	Hours Completed: GPA:
	Quarter System
Name Title	Semester System
Name Title	

Applicant's signature

Date

INSTRUCTIONS

REQUIREMENTS

For entering freshmen, an ACT composite score of 28 or above or a GPA of at least 3.5 (on a 4-point scale) is required for eligibility to apply for admission to the Honors Program.

Students who have completed at least 15 but fewer than 30 hours of coursework with at least a 3.5 GPA either at Missouri Southern State College or at another accredited college or university are eligible to apply for admission to the Honors Program.

APPLICATIONS PROCEDURES

Incoming Freshman

- * A COMPLETED HONORS APPLICATION AND ADMISSION APPLICATION must be filed.
- * Please request that an official high school TRANSCRIPT be sent directly to the Honors Program.
- * Your **ACT RESULTS** must be on record, either separately or on your transcript.
- * Arrange to have two **LETTERS OF RECOMMENDATION** sent directly to the Honors
 Program, one from your high school principal and one
 from one of your high school teachers. Additional
 letters are also invited.
- * You need to arrange for an INTERVIEW.
- * You may be required to submit an **ESSAY** describing your academic goals and explaining your participation in the Honors Program.

Already Enrolled or Transfer Student

- * A COMPLETED HONORS APPLICATION AND ADMISSION APPLICATION must be filed.
- * Please request that an official college **TRANSCRIPT** be sent directly to the Honors Program.
- * Your **ACT RESULTS** must be on record, either separately or on your transcript.
- * Arrange to have two **LETTERS OR RECOMMENDA- TION** from you college instructors sent directly to the Honors Program. Additional letters are also invited.
- * You will need to arrange for an INTERVIEW.
- * You may be required to submit an **ESSAY** describing your academic goals and explaining your participation in the Honors Program.

In order to be considered for entrance into the program in the fall semester, all application requirements, including the interview should be completed by March 1; for the spring semester all requirements should be received by November 15.

Send all application materials to:

Honors Program Director Missouri Southern State College 3950 E. Newman Rd. Joplin, MO 64801-1595

Telephone: In Joplin 1-417-625-9300 or 625-3005 Toll-Free: 1-800-606-MSSC (6772)

Missouri Southern State College is an equal opportunity and affirmative action institution.

The college reserves the right to amend regulations when necessary.

For more information about the college visit our website

www.mssc.edu

Patron's Scholarship Application

Please complete application on both sides and return to:

Missouri Southern State College Hearnes Hall, Scholarship Room 117C 3950 E. Newman Road Joplin, Missouri 64801-1595 417.625.3161

C	Office Use	
Code	GPA	
Scholarship		
Amount per year		
Fall	Spring	

Note: By filing this form you will be considered for any one of 200 Patron Scholarships available through the Missouri Southern State College Scholarship program.

How to apply: 1. Must apply or have applied for admission.

2. Transfer students must have transcripts on file with Registrar's Office.

3. You may apply on our web site at www.mssc.edu instead of using this form.

Name					
Last	First		Middle	N	laiden
Security Number			Phone		
Address					
Male Female		Married	Single		Transfer
Date of High School Gradua	tion		High School	water in it	aces soling
City/State		Transfer	Anticipate	semester to	attend MSSC
Entering Freshman	Freshman _		Sophomore	_ Junior	Senior
Major**Current Students - Please b	e sure your m	ajor is accur	Minor ately listed with the	Registrar's C	Office.
Check criteria which apply					
 Student Nurses' Association Non-traditional student Beimdiek Insurance employ Son or daughter of MSSC Graduate - top half of clas Interested in technology m 	on (SNA) oyee alumni s	in a set			

All qualified applicants will receive consideration without regard to non-merit factors: race, sex, creed or disability.

Statement of certification: If I am awarded a scholarship administered by Missouri Southern State College, I understand I must meet scholarship renewal criteria.

	ou receiving any of the follo			
onors	s President's Reg	jents Deans' _	Performing Award	Athletic Diversity _
ther_			100 MA 488	
re you	u currently employed?	If yes, list place	of employment	
	endent) Father's employer _			
f depe	endent) Mother's employer_			
	rried) Spouse's employer			
PLEAS	SE COMPLETE THE FOLLO	OWING:		
Schola	astic honors:			
			distriction of the second	
Activi	ities and Organizations:			
Activi	ities a <mark>nd Organizations:</mark>			
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Volun	nteer Work: I further understand that a March 1 for consideration.	pplication to the se	cholarship program m	ust be turned in prior to
	I further understand that a March 1 for consideration. Students may not receive a Scholarship recipients may	pplication to the so more than one sch	cholarship program m	ust be turned in prior to e College. s which must be coordinate
1. 2. 3.	I further understand that a March 1 for consideration. Students may not receive Scholarship recipients may with the scholarship; not t	pplication to the some school of the some school of the students of the studen	cholarship program m olarship issued by the and performing awards ent's college tuition, ro	ust be turned in prior to e College. s which must be coordinate oom and board.
1. 2. 3.	I further understand that a March 1 for consideration. Students may not receive Scholarship recipients may with the scholarship; not to Scholarships are issued for the scholarships are issue	pplication to the some set of the set of the student of the student one academic years.	cholarship program m olarship issued by the and performing awards ent's college tuition, ro	ust be turned in prior to e College. s which must be coordinate oom and board.
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Signature _

Date Signed ___

Missouri Southern State College

Application for Admission • \$15.00 non-refundable fee (see College Catalog for Admission Requirements)

PERSONAL INFORMATION

Name				
Last	First	Middle	Preferred name	Maiden/Former name
Social Security Number	-	-	Sex: □	☐ Male ☐ Female
Are you a veteran? Yes	☐ No Are you elig	ible for Veterans E	ducational Benefits?	Yes □ No
Date of Birth: Month	DayYear	E-mail Add	dress	Male Deante
Permanent mailing address	Simple of the S			
Street or Route	y gaz 11 ozi C asy (City	St	Zip
County	How long	g have you resided	at the above address?	vears
If less than 1 year, indicate ac	ddress for past year.	Zlp	Country	years.
Telephone ()		year,	play along managing day	
Home	Phone		Work Phone	
Are you a U.S. Citizen? ☐ Yes		t visa do you hold?	ROSE FINDICALE RETAINING	NOW DOES SOMER THE
If no, country of birth	unio Cettoracaus	Carping and Carpin	Native American or Magicin	
Is English your native languag	e? □ Yes □ No It	f no, indicate your	native language	Please list relatives w
Do you plan to live in the resid	ence halls? Yes	No (If yes an app	olication for housing will b	pe sent to you)
I am applying as a				
☐ First Time Freshman	Post Graduate	Student 📮	Dual Credit Student	☐ Transfer Student
☐ Former MSSC Student	☐ Credit-in-Escro		International Student	Why did you choose
What field of study (major) are	you considering?	Para a series and a		
(If you are not sure, please list	undecided. Our Stud	lent Support Cente	er Office will help you cho	ose a major later.)
The college term in which you	expect to enroll: Fall 2	20 Spring	20 Summer 20	

ACADEMIC INFORMATION

	ACT THE METERS OF THE PROPERTY
h List high school, sphage (승빛육) [미네트링]	, City State From To Graduation
School Name	City State From 15
School Name	City State From To Graduation
School Name	City State From To Graduation
School Name	City State From To Graduation
Are you currently on suspension from any coll	lege? □ Yes □ No
If yes, Name of college	Semester and year of suspension
	easles? (2 doses)
Have you ever been convicted of, or pleaded If yes, explain on a separate sheet of paper.	
Father/Guardian's Name	Employer
Phone Numbers () ()	Work Level of Education/College Attended
Home Home	Work
Mother/Guardian's Name	Employer
Phone Numbers () () _	Work Level of Education/College Attended
List siblings and their ages(Indic	cate Relationship)
Please list relatives who are MSSC students	or alumni(Indicate Relationship)
The following information is needed to provide Marital Status: ☐ Married ☐ Single Children: Name	de accurate information for immigration documents: le Date of Birth Country of Birth
Please for relative <u>region and the SC and onla</u> of	If no, country (£birth)
Why did you choose to apply to MSSC?	English your native language? Ci Yes — Ci No. If no. indicate your
Who did you find most helpful in the MSSC a	admission process?
in its educational programs or activities. For furth	ninate on the basis of sex, race, creed, color, national origin, disability, or ag ther information concerning disability accessibility, contact the Disability
Services Coordinator at 417.625.9516.	
I certify that the information provided is compathe admission and transcript requirements.	plete and correct to the best of my knowledge, and that I have read

Missouri Southern State College Minimum Core Curriculum

Student Reporting Form - (Transfer and students over 21 do not need to complete this form.)

Meeting the Requirements

All high school graduates who graduated Spring 1996 or after must complete the following core requirements.

COORDINATING BOARD FOR HIGHER EDUCATION MINIMUM CORE CURRICULUM REQUIREMENT

Subject	Minimum Core Curriculum	Comments about Minimum Core Curriculum Requirements
English	4	2 units must emphasize writing
Math	3	Algebra 1 and higher
Social Studies	3	must have American history and at least one semester of government.
Science	2	one must be a lab course
Visual/Performing Arts	1	
Additional core electives from any of the above areas	3 2 years of a foreign language strongly recommended	Acceptable math elective: computer science with prerequisite of Algebra 1; Social studies elective: State/international history

Please complete the chart below using your high school transcript and senior class schedule.

List the title of the course in the appropriate box.

Make a notation by any course that was taken as dual credit/college credit, honors (H), or advanced placement (AP). Transfer students do not need to complete this section.

Subject	9th Grade	10th Grade	11th Grade	12th Grade	Total
English 4 Units					
Mathematics 3 Units					
Social Studies 3 units					
Science 2 Units; 1 must be a lab course					
Visual/Performing Arts 1 Unit					
Core Electives /Foreign Language 3 Units					

Please print your name and social security number:

Residence Hall Information

On Campus residence requirements

All freshmen and sophomores under the age of 21 are required to live in Missouri Southern State College Residence Halls to the extent space is available, unless they are married, live with their parents or are excused by the Coordinator of Student Housing.

General Information

Missouri Southern houses over 700 students on campus. The two main residence halls are Blaine Hall (200 men) and McCormick Hall (100 women). Apartment-style units house an additional 350 students. Private rooms also available.

The rooms on campus are furnished with twin size extra long beds, bed pads, study carrels, desks, chairs, lamps, wastebaskets, mini blinds, night stands, and free local telephone service is provided along with voice mail and individual access codes. Students are required to bring sheets, pillow, blankets, and all personal belongings. The apartment units are also furnished with sofa, chair, lamps, coffee table, refrigerators and microwaves.

All residence hall facilities are air-conditioned. Cable TV, study lounges, recreational areas, IBM Personal Computers, vending machines, and laundry facilities are also included. The Residence Halls are staffed by three full-time professional Resident Directors who are assisted by a paraprofessional staff of 25 Staff Assistants.

Resident students are also entitled to food service. Twenty meals are served each week in the Student Center Cafeteria. Individual meals feature salad bar and unlimited servings, including entrees.

For additional information

Call:

Missouri Southern State College Residence Life Office (417) 625-9522 1-800-606-MSSC toll free or write:

Missouri Southern State College Residence Life Office 3950 E. Newman Rd. Joplin MO 64801-1595

Request for application

Name			Date	
(Last)	(First)	(Middle)		
Address				
(Street)		(City)	(State)	(Zip Code)
Telephone ()				
Detach and return this form to:	Missouri Sou Residence L 3950 E. New Joplin, MO 6	man Road		
Semester entering MSSC Resid	3950 E. New Joplin, MO 6	man Road	Spring	